Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 156 No. 26 December 26, 1949

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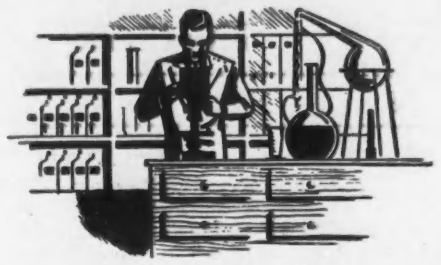

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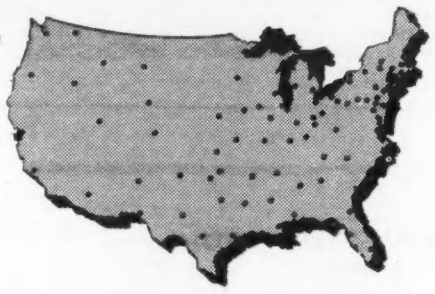

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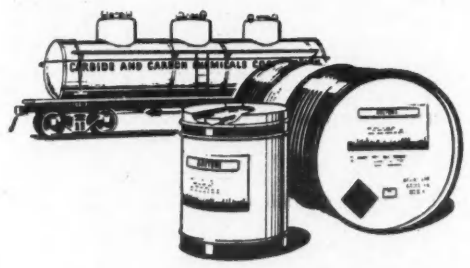

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Tung Nuts Price Support Plan Set

Department of Agriculture announced last week that 1950 crop tung nuts will be supported at 60 percent of parity and that future marketings from the 1949 crop will be supported at $60 a ton, the equivalent of 60 percent of estimated parity.

Supports on the 1949 crop will be carried out under purchase agreements with producers, under which producers may deliver tung nuts to the Commodity Credit Corporation at $60 a ton, or the equivalent in producers' oil at 22.7 cents a pound, f.o.b. shipping point.

The department noted that in recent weeks the market for tung oil has been about 26 cents a pound, f.o.b. mill, and said that this reflects the sharp curtailment of shipments of tung oil from China. As long as these conditions continue, the announced support level will serve merely as a protection for producers. It will insure against a drop below the support level in the event that imports from China increase materially.

All Producers Available

Any United States producer of tung nuts will be eligible for price support under the program. The support price will be based on tung nuts containing 17.5 percent oil. Premiums and discounts will be allowed for other qualities.

Purchase agreements will be available through January 31, 1950. Producers who deliver tung nuts to CCC under a purchase agreement must notify their Production and Marketing Administration county committee within a thirty day period ending March 31, 1950, or earlier, as determined by CCC. Producers who deliver tung oil to CCC must notify their county committee within a thirty day period ending June 30, 1950, or earlier, as determined by CCC.

Oil Lands to Be Leased

Secretary of the Interior Oscar L. Chapman announced December 21 that oil and gas leases will be issued on lands "acquired" by the government. Such leases have been in suspension for a number of years pending the passage of legislation to revise the mineral leasing act covering "acquired" lands.

Superphosphate Bid Deadline Extended

The scheduled bid opening date on the government's proposed purchase of 40,000 tons of 18 percent superphosphate for Korea has been postponed until 2 p.m., January 4. The bid opening previously had been set for December 28. Several other changes in procedure also were announced, as follows:—

"Bids, f.o.b. vessel, American ports, will also receive consideration providing sufficient quantities are made available at port to permit full cargo shipment by charter party agreements without incurring demurrage. Vessels to be furnished by the government.

"As a specific quantity of approximately 8,000 short tons of P_2O_5 is required, rather than 40,000 short tons of superphosphate, bids should be submitted on the basis of price per ton of P_2O_5, in lieu of price per short ton of superphosphate. Payment shall be made accordingly."

Antihistamines Efficacy Investigated by Navy

An official medical research project to evaluate the effectiveness of antihistamines in the prevention and treatment of common colds has been undertaken by the navy. Two investigations are being made, one dealing with the prophylaxis, or preventive, aspect of the problem, and the other concerning the treatment phase.

The project was started November 15 and will continue for five months. Results and interim reports will be withheld until after the investigation is completed and all reports have been evaluated by the navy bureau of medicine and surgery.

Two 500 man groups of navy enlisted personnel are participating in the investigation, which is being conducted by Naval Medical Research Unit No. 4 at the Naval Training Center, Great Lakes, Ill., under the direction of Lt. Cmdr. John R. Seal.

Price Trend Dips Slightly

As anticipated, there was little activity in the markets for chemicals, oils and drugs last week and indications were that this situation would continue through the first week of January. The overall index was reduced by 0.3 point and was 18.5 points below that of last year.

A lower price was registered for sodium stannate and a reduction in tin was reflected in the crystals. One producer of tin chemicals announced it will not quote prices until the metal market becomes stabilized.

In the drugs and fine chemicals market, price movements were confined to declines in drug items, with the exception of an advance for castor beans. Digitoxin, streptomycin, and dihydrostreptomycin were lower. There was every indication that there would be less price adjusting in industrial organic chemicals at the beginning of 1950 than at any time since OPA.

Botanical drug prices held steady for the most part but reductions were made in fenugreek seed and ginger root. Condimental botanicals showed strength. Manufacturers of antihistaminic drugs were in the market for large orders of anethol and anisic aldehyde, placing a strain on suppliers of anise oil, basic source of these materials. A higher price for anethol, coupled with an advance in cassia oil, was enough to modify the effect of a sharp decline in sandalwood oil.

Sole price movement in the protective coatings field was a decline in shellac. A January 1 advance for one line of petroleum hydrocarbon resins and a reduction in resinous chlorinated paraffin were announced. Mica producers reported that higher prices were imminent.

Coaltar benzol and toluol were advanced at certain points by some producers, and further advances would not be a surprise. Despite this, petroleum aromatics producers maintained present price schedules. Pharmaceutical pyridin was lowered. Textile and leather chemicals were quiet, with corn dextrin and starch advanced and egg albumen, egg yolk and chestnut extract reduced.

The recent steel strike and consequent shortage of slag forced consumers to switch to nitrogenous process tankage and quotations on this material were higher, with delivery in April at the earliest. There was no break in the strike at potash plants in the Carlsbad, N. M., area and this is beginning to have a serious effect on mixing operations.

Firmness in grease and tallow featured the oils and fats market. Lard continued to advance under the impetus of heavy buying for export by the government. In the edible oil group, soybean oil was off fractionally and peanut oil was increased.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 23, 1949	Dec. 16, 1949	Dec. 23, 1948
124.6	124.9	143.1

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.3
February	140.4	147.2	151.9	135.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	135.4	121.9
July	128.1	145.9	142.5	137.7	125.5
August	128.9	144.4	140.4	136.6	128.2
September	129.1	144.3	141.9	137.0	130.4
October	126.6	143.7	146.1	143.1	133.2
November	125.7	144.4	149.7	149.2	135.1

FDA Hearings on Spray Residue Tolerances to Cover 145 Chemicals

Hearings to commence January 17 before the Federal Food and Drug Administration on proposed regulations establishing poisonous spray residue tolerances for fresh fruits and vegetables may run for six months and involve 145 or more chemicals used for pesticidal purposes, government officials and trade sources indicated last week.

Bernard D. Levinson, of FDA, who has been appointed presiding officer of the hearings, said that he has already scheduled four months of hearings on the basic question of the economic need for the use of poisonous or deleterious substances in agriculture. Additional time must necessarily be allotted to the other questions of the hearing, such as tolerances, substances, and particular crops.

He said that no one as yet has intimated that pest control operations are not an essential practice in agriculture but this fact needs to be proved and a long list of witnesses is now being drawn up to substantiate it with facts and figures on the various chemicals used and their effectiveness.

The Department of Agriculture, State experimental stations, various farm organizations, and the chemical companies are preparing to submit evidence on this point at the hearings. For the first time in history, the farmers will have to prove that the insecticides they are using are in the interest of the public.

In making preparations for the presentations to be made by industry at the hearings, the National Agricultural Chemicals Association, in cooperation with Department of Agriculture and state agencies compiled and made public last week a list of chemicals which may be used to control pests injurious to the production of fruits and vegetables. It has been distributed as a possible aid to those who may be interested with the hearing.

NAC said that the list is not presented as a complete list; nor with an implication that all these, or only these, chemicals will be considered during the hearing; nor with the implication that regulations will be issued on all these chemicals; nor that chemicals not listed may not be included in the regulations. It was compiled to give some idea of the scope of the question before the hearing and the products that may be involved. The list follows:—

Aldrin (113); alkyl aryl sulphite (88R); allyl cinerin I; anabasine; azobenzene.

Arsenicals—Arsenic trioxide (white arsenic); basic copper arsenate; calcium arsenate; calcium arsenite-arsenate (London purple); copper acetoarsenite (Paris green); lead arsenate (acid and basic); magnesium arsenate; manganese arsenate; sodium arsenite; zinc arsenite.

Barium carbonate; barium fluosilicate; benzene hexachloride (BHC); bis(p-chlorophenoxy)methane (K1875); 1,1-bis(p-chlorophenyl)ethanol; 1,1-bis(p-chlorophenyl)-2-nitropropane (CS645A); 1,1-bis(p-chlorophenyl)-2-nitrobutane (CS674A); 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane (DDT); Bordeaux mixture.

Calcium arsenate; calcium cyanide; calcium polysulphides (lime sulphur); carbon disulphide; chlordane; bis(p-chlorophenoxy)methane (K1875, neotran); p-chlorophenyl-p-chlorobenzenesulphonate (K6451); chloropicrin; chromates (various metallic complexes).

Copper compounds—Bordeaux mixture; copper aceto-arsenite (Paris green); copper arsenate, basic; copper naphthenate; copper oxide; copper oxychlorides; copper phosphate; copper-8-quinolinolate; copper silicate; copper sulphates; copper zeolite; cuprous cyanide.

Cyanides—Calcium cyanide; cuprous cyanide; hydrocyanic acid (HCN); sodium cyanide.

DD; DDD; DDT; dianisyltrichloroethane; p-dichlorobenzene (PDB); dichlorodiphenyldichloroethane (TDE, DDD); dichlorodiphenyltrichloroethane (DDT).

Dichloroethyl ether; 2,3-dichloro-1,4-naphthoquinon (Phygon); 1,1-dichloro-1-nitroethane (Ethide); 2,4-dichlorophenoxyacetic acid, acid, amines, salts and esters (2,4-D); 3,4-dichlorophenyl ester of benzenesulphonic acid (923); 3,4-dichlorophenyl benzene sulphonate (923); di (p-chlorophenyl) methyl carbinol (Dimite).

1,2-dichloropropane and 1,3-dichloropropylene (DD mixture); dicyclohexylamine salt of 2,4-dinitro cyclohexylphenol; dieldrin (497); 0,0-diethyl-0-p-nitro thiophosphate (Parathion); difluorodiphenyltrichloroethane (fluorine analog of DDT); dihydrorotenone (hydrogenated rotenone); dinitrocapryl phenyl crotonate.

4,6-dinitro-o-cresol (Dinitro, DNC, DNOC); 4,6-dinitro-o-cresol acetate; dinitro-o-cyclohexylphenol; dinitro-o-secondary-butylphenol; disodium ethylene bisdithiocarbamate (Nabam).

Dithiocarbamates—Disodium ethylene bisdithiocarbamate (Nabam); ferric dimethyl dithiocarbamate (Ferbam); zinc dimethyl dithiocarbamate (Ziram); zinc ethylene bisdithiocarbamate (Zineb).

DN compounds—4,6-dinitro-o-cresol; dinitro-o-secondary-butylphenol; dinitro-o-cyclohexylphenol; dicyclohexylamine, calcium, potassium and sodium salts of above.

Ethylene dibromide: ethylene dichloride; ethyl-p-nitrophenyl thionobenzenephosphonate (EPN); ferric dimethyl dithiocarbamate (Ferbam).

Fluorine compounds—Barium fluosilicate; so-

—Continued on page 49

U. S. to Boost Wage Rate Under Walsh-Healey Act

All prevailing minimum wage determinations, including that for the chemicals and related products industry, under the Walsh-Healey public contracts act are to be raised to 75 cents an hour so as to be equal to the new minimum in the fair labor standards act, it was announced last week by the Department of Labor.

The action effects thirty-five of the forty-two industries covered by prevailing minimum wage determinations issued since the public contracts act was adopted in 1936. Four of the other seven industry determinations have no provisions for rates under 75 cents an hour, and for three industries — chemicals, soaps and aircraft—separate determinations in excess of 75 cents an hour now are under consideration.

Among the industries affected, and the present prevailing wage minimums, are: drugs, medicines and toilet preparations, 40 cents; fertilizers, 40 and 50 cents, by areas; fireworks, 40 cents; leather manufacturing, 40 and 50 cents, by branches and areas; paint and varnish, 40 and 50 cents, by areas; small arms ammunition, explosives and related products, 42½ to 57½ cents, by branches and areas.

U. S. Revises 'White Collar' Workers Minimum Wages

Adoption of revised regulations governing minimum wage and overtime exemptions of certain so-called "white collar" employees under the fair labor standards act was announced December 22 by the Department of Labor. The regulations cover about 2,500,000 workers and will take effect January 25, 1950.

The tests for exemption under the revised regulations include in their basic requirements: that "executive" employees must perform managerial duties; that "administrative" employees must perform office or non-manual field work of substantial importance in the management or operation of the business; that "professional" employees must perform work requiring advanced knowledge in a field of science or learning, or perform creative work in an artistic field; that "local retailing" employees must make local retail sales of goods or services, or perform work immediately incidental to such sales, and that "outside salesmen" must be engaged to sell, away from their employer's place of business.

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries by the Economic Cooperation Administration during the period December 16-22 were the following:—

To Austria—$3,814,000 for lard from the United States.

To Belgium-Luxembourg—$400,000 for hides and skins from the United States, and $180,000 for nonferrous ores and concentrates from Latin America.

To Denmark—$1,750,000 for copper from the United States.

To France—$200,000 for nitrogenous fertilizer, $50,000 for lard, $23,000 for chemicals, and $70,000 for nickel from the

—Continued on page 67

And a Prosperous New Year

Insecticides Get Names

The bureau of entomology and plant quarantine of the Department of Agriculture has officially designated "aldrin" as the common name for compound 118 and "dieldrin" as the common name for compound 497. Both products are manufactured by Julius Hyman & Co., Denver.

FDA Expands Investigation Of Liver Preparations Use

Producers and distributors of liver preparations were urged last week by the Food and Drug Administration for all pertinent information that might be available on the use of various liver products in the treatment of illnesses. The information is sought to aid the agency in evaluating therapeutic claims for liver products so as to determine whether they can be legally marketed under the Federal food, drug and cosmetic act (OPD, 12/19/49).

FDA has been concerned about the identity and usefulness of liver preparations other than those contained in the USP and has seized several of the products. The drug industry has been vitally concerned over the agency's action and many conferences with officials have been held on the problem. The importance of liver preparations to the drug industry is emphasized by the fact that the Pharmaceutical Survey revealed that 30,000,000 prescriptions are written annually by physicians for liver products.

The National Formulary revision committee has voted to include in the ninth edition of the Formulary, to be published next year, the following four liver preparations:—

1. Desiccated liver. This is the dehydrated gland, said to be equivalent to approximately four times its weight of fresh liver.

2. Liver concentrate. This is a water, or acidified water, extract of liver, dried and powdered.

3. Liver fraction 1. This is a 70 percent alcohol-soluble fraction of liver concentrate reduced to paste form.

4. Liver fraction 2. This is a 70 percent alcohol-insoluble fraction of liver concentrate reduced to a powder.

Industry Helped Shape Policy

In a statement formalizing FDA's present position on the liver products, which was prepared and considered at a meeting with some of the drug industry representatives on December 20, the agency said that it expects that these four liver preparations will supersede the numerous unofficial liver preparations which heretofore have been on the market. In other words, the agency hopes that the number of different liver products on the market will be reduced to the four contained in the NF and the three contained in the USP.

The four NF preparations will be regarded as "common or usual" names by FDA for the purpose of compliance with the Federal food, drug and cosmetic act

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Victor Names Stanley Sales Director; Everett Secretary

Victor Chemical Works, Chicago, has appointed Morris R. Stanley as director of sales and Tolman G. Everett as secretary and comptroller. Mr. Stanley succeeds Otto H. Raschke, who was recently named vice-president in charge of sales and elevated to membership on the company governing committee. Mr. Everett succeeds William D. Webster, now vice-president in charge of finances and a member of the governing committee.

Mr. Stanley joined the chemical staff at the company's Chicago Heights plant in

Morris R. Stanley

1923, after several years as a chemist with Swift & Co. He subsequently headed the control laboratory and the sales service laboratory, and in 1927 was transferred to the Chicago headquarter's office to supervise the sale of various products. As the result of expanded uses of the company's products and the introduction of many new research chemicals, he became manager of development sales in 1937. During the recent war he served as assistant chief of the inorganic chemicals division of the War Production Board.

Mr. Everett joined Victor as a cost accountant in 1927 and ten years later became head of the cost accounting department. In 1945 he was elected assistant secretary, and secretary in 1946.

Lundy Retires as Vice-Pres. Of Freeport Sulphur Co.

Wilson T. Lundy has retired as vice-president of Freeport Sulphur Company, New York, but will continue as a member of the board of directors, and his services will be available in a consulting capacity.

Mr. Lundy joined the Freeport organization in 1923, after participating as a mining engineer in various mining enterprises in the United States as well as foreign countries. He became general manager in 1930 and was elected a vice-president the same year. He went from the company's New Orleans operating headquarters to the New York executive offices in 1941, when he was elected a director.

Haines Ciba President

Ciba Pharmaceutical Products, Inc., Summit, N. J., has announced the election of T. F. Davies Haines as president. He succeeds Dr. J. S. Bates, who will retire on December 31. Mr. Haines, a director of several Ciba companies in the Western Hemisphere, was formerly a member of the New York law firm of Appleton, Rice & Perrin. In 1942 he became general counsel to the government-owned General Aniline & Film Corporation.

Antibiotics Rules Amended

Regulations for the certification of aureomycin tablets were issued on December 22 by the Federal Food and Drug Administration, to become effective immediately. The agency also exempted aureomycin, chloramphenicol and bacitracin for diagnostic use from certain requirements of the certification rule, and modified existing requirements relating to refrigeration of penicillin bougies.

Tenn. Eastman Buying Head

J. K. Gillenwater has been appointed purchasing agent of the Tennessee Eastman Corporation, Kingsport, Tenn. Mr. Gillenwater, who fills the vacancy created by the retirement of D. V. Hammock, has been associated with the company since 1930 and has served as assistant purchasing agent since 1945.

Mallinckrodt Making New Aluminum Stearate Product

Mallinckrodt Chemical Works, St. Louis, has added "Aluminum Stearate Technical D-50" to its line of metallic soaps. Developed primarily for use in the lubricating grease industry, the material is said to offer the maximum in efficiency and gel stability. The producer states that soap costs may be reuced as much as 50 percent through the use of the product.

Laboratory and field trials with a variety of oils and operating conditions have shown that "D-50" greases, even at low soap concentrations, possess good resistance to mechanical breakdown upon working and have high dropping points, even texture and superior resistance to bleed, according to the manufacturer. A new booklet, "Aluminum Soaps for Lubricating Grease Manufacture," along with samples of "D-50" is offered by Mallinckrodt on request to the New York or St. Louis offices.

Mint Crop Value Declined in 1949

The value of the 1949 peppermint and spearmint crops was estimated at $9,373,000, considerably under the $13,175,000 value placed on the 1948 crops but still nearly 50 percent greater than the ten-year average (1938-47) of $6,639,000, according to the Bureau of Agricultural Economics.

In its year-end summary of crop production, the bureau estimated production of mint oil at 2,110,000 pounds from 62,600 acres. The average yield was placed at 33.7 pounds of oil per acre. Last year, production amounted to 2,369,000 pounds from 64,100 acres, with a slightly less average yield of 33 pounds of oil per acre. The ten-year average is 1,410,000 pounds, produced from 46,360 acres, with a yield of 30.2 pounds per acre.

Final 1949 figures for the two crops, broken down by states to show acreage, yield per acre and production in pounds, follows:—

	Acreage	Yield per acre (lbs. of oil)	Production
Peppermint—			
Indiana	16,200	33	535,000
Michigan	9,500	21	200,000
Oregon	14,500	42	609,000
Washington	4,700	50	235,000
Total	44,900	35.2	1,579,000
Spearmint—			
Indiana	11,700	30	351,000
Michigan	6,000	30	180,000
Total	17,700	30	531,000

Resinous Products Making CP Ion Exchange Resins

Resinous Products Division of Rohm & Haas Company, Philadelphia, is now producing its standard "Amberlite" ion exchange resins in a "CP" form. They are supplied exclusively, in amounts less than twenty-five pounds, through Eimer & Amend, New York, and Fisher Scientific Company, Pittsburgh and St. Louis.

These highly purified materials, designated analytical grade, are said to be free from traces of fines and soluble intermediates which might remain in the standard products. As a result, the refined resins may be used for analytical or theoretical studies, where reproducible results depend on extreme and consistent purity, the manufacturer states.

Apomorphine Reports Rules Revised by Narcotics Bureau

Apomorphine, which heretofore has been included in the morphine accounts of manufacturers' monthly narcotic returns on Form 810 and in manufacturers' and wholesalers' inventories of stock on hand will, in the future, be included in the account provided for "Other opium alkaloids and derivatives," the Bureau of Narcotics ordered last week.

Reason for the change is that the properties of the drug are different from those of morphine and apomorphine does not fall under the international conventions of 1925 and 1931, whereas morphine does.

Diamond Alkali Cuts 'Chlorowax 70' Price

Diamond Alkali Company, Cleveland, Ohio, has instituted a 15 percent price reduction for its "Chlorowax 70" resinous chlorinated paraffin. The new price, effective January 1, will be 15 cents per pound in carload lots and 15½ cents per pound in less-than-carload lots, delivered east of the Rocky Mountains. The company has recently put a new production unit for manufacturing this material into operation at its plant at Painesville, Ohio.

Winthrop-Stearns Has New Penicillin Product

Winthrop-Stearns, Inc., is now offering procaine penicillin G in oil with 2 percent aluminum monostearate, fortified with potassium penicillin G crystalline. Each unit contains 400,000 units of penicillin per cc and is packaged in vials of 10 cc, sufficient for ten doses.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Acetyl ortho-cresotinic acid.
Acyldiazine.
Arachidic acid.
Behenic acid.
Cyclopentadiene.
Dehydroisoandrosterone.
Lignoceric acid.
3-Nitro-4-hydroxyphenylarsonic acid.
Sodium thioantimoniate.

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N.E. Weed Control Parley Program Set

The Northeastern Weed Control Conference has completed the program for its fourth annual meeting, to be held in the New Yorker hotel, New York, on January 3 to 5. Included on the program is the following:—

January 3

The morning session will be opened by R. D. Sweet, Cornell University, president of the conference, who will report on allied conferences. There will be papers on "Cooperative Weed Control Research Moves Forward," by K. S. Quisinberry, Bureau of Plant Industry, Beltsville, Md., and "The Persistence of Herbicides in Soils," by A. G. Norman, biological department, chemical corps, Camp Detrick, Md. The business meeting will follow.

In the afternoon, H. L. Yowell, Asso. Laboratories, will preside, and the following papers, among others, will be presented:—"Absorption of Radioactive 2,4-D1 as Affected by Wetting Agents," by J. W. Mitchell, Bureau of Plant Industry; "An Anatomical Study of the Modification of Bean Leaves as a Result of Treatment with 2,4-D," by Donald P. Watson, Michigan State College; "Changes in the Nutritional Value of Plants Sprayed with 2,4-D," by Charles L. Hamner, Michigan State College; "The Relative Volatility of Some Forms of 2,4-D," by Dale E. Wolf, Frank Sowa, Gilbert H. Ahlgren and Robert H. Daines, Rutgers University.

"Progress in the Herbicidal Application of Oils," by H. L. Yowell Esso Laboratories; "A New Group of Defoliant-Herbicidal Chemicals," by N. Tischler, J. C. Bates and G. P. Quimba, Sharples Chemicals, Inc., and "Pentachlorophenol as an Herbicide," by L. V. Sherwood, Monsanto Chemical Company.

January 4

The program for this day will be broken up into sections, as follows:—

Section A, Horticultural Crops

In the morning the following papers, among others, will be heard:—"Physiological Studies of the Toxicity of 2,4-D," by Glenn E. Davis and Ora Smith, Cornell University; "Dichloral Urea (E.H.2) and Sodium 2,4 Dichlorophenoxyethyl Sulphate (E.H.1) as Selective Herbicides," by L. J. King, Boyce-Thompson Institute; "Specific Uses of IPC on Certain Weeds in Horticultural Crops," by Robert F. Carlson, Michigan State College; "Weed Control with Chemicals in the Tropics," by Ora Smith and J. R. Orsingo, Cornell University.

"Experiments with Potassium Cyanate and Calcium Cyanamide on New Jersey Asparagus, 1949," by S. B. LeCompte, jr., Rutgers University; "Effect on Sweet Corn Productivity of Four Compounds of 2,4-D Sprayed Post-Emergence Above and Below the Corn Foliage," by C. H. Dearborn, New York Agricultural Experiment Station.

Among the following papers to be heard in the afternoon are:—"Influence of Irrigation and Time of Treatment Application on Pre-Emergence Weeding," by R. D. Sweet and S. L. Dallyn, Cornell University; "Chemical Weed Control in Sweet Corn, Spinach, Asparagus and other Vegetable Crops," by C. J. Noll and M. L. Odland, Pennsylvania State College; "Weeding Corn with Chemicals II," by William H. Lachman, Massachusetts State College, and "Chemical Control of Wild Mustard in Canning Peas and its Effect on Productivity," by C. H. Dearborn, New York Agricultural Experiment Station.

Section B, Agronomic Crops; Turf

Among the papers to be presented at the morning session will be:—"Chemical Weed Control in Potatoes," by Ora Smith, Cornell University; "Chemical Weed Control and Cultivation of Potatoes in Pennsylvania," by J. Stanley Cobb, Pennsylvania State College; "Weed Control in Potatoes on Long Island," by J. Howard Ellison and Walter C. Jacob, Cornell University; "Relation of Chemical Weed Con-

—Continued on page 39

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Chemical importers and dealers—Austria.
Chemical, synthetic organic, manufacturers—Belgium.
Laundry and dry cleaning industry—Pakistan.
Naval stores importers, dealers, and producers—Pakistan.
Paint, varnish and pigment manufacturers—Bolivia.

P.A.'s-Eye View of Business

Composite view, December 25, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

As the year ends, purchasing agents find business conditions reflect a general feeling of optimism. Recovery from the major strike setbacks is progressing more rapidly than originally estimated, and production, usually off at this season, is holding up well. Order books are firm and of slightly longer range than a month ago. A strong trend toward price stabilization—steel excepted—is reported. Inventories are down, but there is some indication of an increase. Employment is good, for this season of the year. Buying policy is still cautious.

The consensus of industrial purchasing executives shows an expectation of good business through the first quarter of 1950. A few extend this estimate to cover the first six months, with reservations for the possible effects of new domestic legislation and world politics.

Commodity Prices

Except for the advance in steel prices late in the month, the December price trend was dominated by a tendency to level off and stabilize:—80 percent reported no movement in their principal purchased commodities. While purchasing agents realize the steel increase will spread into the cost of many fabricated items, competition is expected to hold the overall effect to a minimum. The action in steel is not expected to become a starting point for an inflationary price spiral.

Inventories

Industrial inventories generally continue to decline. Steel shipments have permitted increased deliveries of associated good, and some inventories have been increased moderately. Turnovers are reported satisfactory. Few items, except steel, are really hard to get. Inventories are steadily coming back into balance following strike-caused maladjustments. Stocks are being held to known production schedule requirements.

Buying Policy

The general pattern remains within a "hand-to-mouth to ninety-day" range. A movement from the lower side of the bracket into the ninety-day column is noticeable. With inventories low, production schedules holding up, order books firm, and prices showing more stability, buyers are looking at future commitment schedules with more confidence.

Employment

Normally, industrial employment slacks off during December. The survey reports reveal 23 percent are adding to payrolls, with 52 percent maintaining late November labor forces. Many of those laid off in October and November have been recalled, indicating that, as steel moves into easier supply, employment will pick up. Reemployment, however, is generally reported on a more selective basis.

Specific Commodity Changes

Markets continue the show of strength reported in November. Except for steel prices, however, they show no marked up or down trend.

On the upside:—Cornstarch, dextrin, grains, eggs, dried fruit, beef, coffee, fuel oil, leather, high-grade lumber, mica, rubber, steel, textiles.

Down were:—Alcohol, paper bags, gray iron castings, cellulose acetate molding powders, enamel, poultry, pork, paint, wastepaper, saltcake, tallow, tin, copper wire.

In tight supply:—Aluminum, coal, copper scrap, steel, wax, zinc oxide.

Canada

Reports from Canada indicate a continuing high level of business in December, about the same as in the United States. The Dominion has had more price increases. Inventories are down. Employment trend is much lower than in the States. Buying policy is the same as in the United States. Canadian industrialists are troubled over the decline of exports and the increased competition from devalued currency countries. Power shortages are holding back some production.

Washington Talks It Over

By Ralph L. Cherry

Marshall Plan country requests for dollar aid in the coming fiscal year are now being put through the wringer by the Economic Corporation Administration and the Bureau of the Budget, and it appears that the two agencies will come up with a total figure for fiscal 1950 about 25 percent under this year's fund—$3,200,000,000 as against $4,200,000,000.

Improved economic conditions in Europe are making possible this substantial cut in relief funds, and there are some congressmen, who have made on-the-spot checks in Europe, who believe that a billion-dollar reduction is the minimum that should be considered by Congress for the new year. They would cut another half-billion off the appropriation.

Industries are getting in their licks against appropriating "too much" for the rebuilding of European factories, and are cautioning Congress to look into the ECA program closely from the long-range viewpoint of the effect of expanding Europe's industries in the battle for world markets a few years hence. Some feel that at least a 50 percent cutback could be made in next year's ECA chemical program, for example.

Aside from general congressional demands for economy, ECA officials expect that the strongest opposition to the coming year's request for funds will arise from legislators dissatisfied with European progress toward integration. ECA men admit that at present the evidence to counter this argument is not convincing, but they are hopeful of showing some progress in this direction.

Antitrust Easing Dubious

If there hasn't been much applauding the recent announcement of Secretary of Commerce Sawyer that he was going to try to draw all the loose ends of the government's antitrust law policies together into a program to "preserve and strengthen free enterprise," it is quite understandable. Nobody knows exactly what Mr. Sawyer has in mind or, for that matter, how far his authority goes in this direction.

There is a tendency in Washington to do a lot of wishful thinking whenever any high officer of the government talks about the antitrust laws in a vein other than that of stronger and more effective curbs on industry. So, after Mr. Sawyer's statement, there was a general feeling that a swing of government policy is taking place away from the extreme of antitrust law enforcement.

This feeling lasted just about three days, however. The statements of liberal legislators on Capitol Hill, hopeful that there was to be no letup in antitrust law enforcement—and threatening an investigation if there was—plus hints from the Justice department that it intends to do its duty as it sees it—quickly dispelled the feeling of "good cheer" in the business community. And as if to make sure that its position was clearly understood, the Justice department announced in a few days the filing of two new antitrust suits and the settlement of another.

Cargo Weighing Speeded

Congratulations are in order from their friends in the chemical industry to Albert B. Clark and George Vlases, jr., of the Baltimore office of the Collector of Customs and to Louis Tanner of the Boston office. These three men have just been presented with the Exceptional Civilian Service Award of the Treasury.

These awards are given for performance of duty so distinguished or singularly outstanding as to be clearly exceptional among all those performing similar duties. These three men received the award for developing new weighing methods to expedite the unloading of bulk cargoes that have saved thousands of dollars of public funds and untold manhours. Under their methods, the number weighing operations have been reduced from an average of 10,000 to about 100 per cargo or entry.

Mr. Tanner is chief chemist of the Boston Customs Laboratory. In this chemical work he has devised methods for analysis of imported essential oils and opium. Mr. Vlases is chief chemist of the Customs

—Continued on page 32

Oil Trades Ass'n to Meet

The Oil Trades Association of New York will hold its quarterly meeting at the Waldorf-Astoria hotel on January 25. The reception will begin at 6:30 p.m., and dinner will be served at 7:30.

NCC Urged to Acquire Pesticides in Advance

Speaking before the third annual cotton insect control conference of the National Cotton Council last week in Birmingham, Ala., Lea S. Hitchner, executive secretary of the National Agricultural Chemicals Association, urged cotton growers to purchase minimum requirements of insecticides before pests appear and have them on hand when they are needed.

Mr. Hitchner emphasized that where the program of advance ordering has been followed no shortages have developed and adequate control has been possible but added that the program has not been followed in the majority of the southern cotton states. He pointed to the highly variant degrees of infestation in 1948 and 1949, noting that manufacturers are carrying large stocks of material and urging distributors, dealers and growers to place orders well in advance of needs so that the responsibilities of distribution are shared.

Patronize Reliable Firms

Other recommendations made by Mr. Hitchner to distributors, dealers and growers were that they do some advance thinking about pest control problems; select a reliable manufacturer as a source of supply and discuss problems with an accredited representative; study pest control problems and both old and new pesticides; be sure that products bought comply with all Federal and state laws, and read and obey warnings and directions on labels.

In another address before the conference, Ernest Hart, president of NAC, and president of the Niagara Chemicals Division, Food Machinery & Chemical Corporation, pointed out that there always has been and still is plenty of plant capacity to take care of the full, maximum insecticide needs of the country.

FDA Flayed by Court In 'Nutrilite' Seizure Case

The Federal Food and Drug Administration was permanently enjoined last week by a three-judge constitutional court sitting in the District of Columbia from bringing any further proceedings against Mytinger & Casselberry, Inc., growing out of seizure last year of the company's food supplement, "Nutrilite."

Multiple seizures of the product had been made on the grounds that it had been misbranded by statements contained in the company's advertising literature. In an oral opinion rendered at the conclusion of trial of the case in October (OPD, 10/31/49), the court ruled that the provisions of law under which the multiple seizures were made was unconstitutional.

The permanent injunction was based upon a set of findings of fact that traced the history of the company's troubles with FDA from beginning to end. The findings showed that the company had made every effort to meet the wishes of FDA, but never was able to obtain from the agency a statement of the material in its advertising literature that was objectionable.

The findings dealt harshly with the three top officials of FDA and J. Donald Kingsley, acting administrator of the Federal Security Agency, tracing the parts each of them played in the proceedings leading up to the multiple seizures and accusing them of "deliberately" damaging the company, and acting "capriciously, arbitrarily, unreasonably, oppressively and unlawfully."

Heyden to Manufacture Streptomycin in France

Receipts on an investment to manufacture streptomycin in France may be converted into dollars under terms of an industrial guaranty contract signed December 21 by the Heyden Chemical Corporation, New York, and the Export-Import Bank of Washington as agent for the Economic Cooperation Administration. The guaranty is the first to be issued by ECA for an industrial investment in France.

Heyden plans an investment of at least $100,000. Of this amount $50,000 in cash will be used for the purchase of equipment and supplies, and $50,000 or more will be in the form of engineering and technical services computed at actual dollar cost. The guaranty is for $175,000, covering a capital investment of $100,000 plus an earnings increment of $75,000.

The investment is in the form of stock in a French company which is building and will operate the new plant according to Heyden processes. The entire project involves total capital requirements equivalent to more than $1,000,000 of which $290,000 represents an ECA allotment on the French program.

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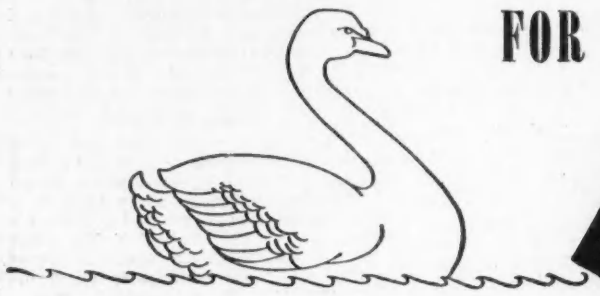

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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, March 19-21.
American Association of Candy Technologists, annual production conference, Bethlehem, Pa., April 27.
American Drug Manufacturers Association, Boca Raton Club, Boca Raton, Fla., March 27-30.
American Gas Association, Atlantic City, October 2-6.
American Geophysical Union, Washington, May 1-4.
American Management Association, national packaging exposition, Navy Pier, Chicago, April 24-27.
American Meteorological Society, St. Louis, Mo., January 3-6.
American Pharmaceutical Association, Traymore hotel, Atlantic City, April 30-May 5.
American Pharmaceutical Manufacturers Association, Broadmoor hotel, Colorado Springs, Colo., May 29-31.
American Society for Testing Materials, William Penn hotel, Pittsburgh, February 27-March 2.
American Spice Trade Association, Shawnee Inn, Shawnee-on-Delaware, Pa., May 21-24.
American Water Works Association, Convention Hall, Philadelphia, May 21-26.
Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.
Association of American Soap and Glycerine Producers, Plaza hotel, New York, January 25-26
Canadian Gas Association, Manoir Richelieu hotel, Murray Bay, Quebec, June 19-24.
Chemical Market Research Association, Statler hotel, Detroit, February 2.
Chemical Specialties Manufacturers Association (formerly National Association of Insecticide and Disinfectant Manufacturers), Drake hotel, Chicago, June 12-13.
Compressed Gas Association, Waldorf-Astoria hotel, New York, January 23-24.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 9; annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.
Druggists Supply Corporation, Statler hotel, New York, March 6-10.
Essential Oil Association, Plaza hotel, January 6.
Federal Wholesale Druggists Association, Statler hotel, New York, March 13-14.
Flavoring Extract Manufacturers Association, Traymore hotel, Atlantic City, N. J., May 7-10.
Institute of Food Technologists, decennial conference, Edgewater Beach hotel, Chicago, May 21-25.
Liquefied Petroleum Gas Association, Palmer House, Chicago, May 7-13.
Metal Powder Show, Book-Cadillac hotel, Detroit, Mich., April 25-26.
National Association of Chain Drug Stores, Hollywood Beach hotel, Hollywood, Fla., April 11-14.
National Butane-Propane Association, Congress hotel, Chicago, September 18-20.
National Confectioners Association, Waldorf-Astoria hotel, New York, June 4-9.
National Cotton Council, Peabody hotel, Memphis, Tenn., January 23-24.
National Petroleum Association, Cleveland hotel, Cleveland, April 12-14.
National Plastics Show, Navy Pier, Chicago, March 28-31.
National Safety Congress, Chicago, October 16-20.
National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 16-21.
Natural Gasoline Association of America, Texas hotel, Fort Worth, Tex., April 24-26.
Northeastern Weed Control Conference, New Yorker hotel, New York, January 3-5.
Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., May 25-27.
Salesmen's Association of the American Chemical Industry, Roosevelt hotel, New York, January 26.
Society of Plastics Engineers, Carter hotel, Cleveland, Ohio, January 11-13.
Society of the Plastics Industry (Canada), Royal York hotel, Toronto, February 13-14.
Southern Paint and Varnish Production Club, Peabody hotel, Memphis, Tenn., March 8-10.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, January 11.
Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 16-18.
United States Pharmacopoeia convention, Statler hotel, Washington, May 9-10.

U.S. Testing Co., Esselen Research Merge Facilities

A merger of two of the leading scientific laboratories in the country will become effective January 1 when the United States Testing Company, Hoboken, N. J., and the Esselen Research Corporation, Boston, combine their interests. The Esselen organization will become the Esselen Research Division of the United States Testing Company, and will continue its operations in Boston.

The merger makes available to industry a combination of research personnel, facilities and experience, and it multiplies the scope and potentials of both organizations in basic and applied research for industry and government, it was stated. The Esselen organization was founded by Dr. Gustavus J. Esselen, whose independent consulting practise dates back to 1921. United States Testing Company is one of the oldest and largest scientific testing organizations in the country, having been founded in 1880.

W. Va. Pulp & Paper Elects Cowan Vice-Pres.

West Virginia Pulp & Paper Company, New York, has elected John D. Cowan a vice-president. Mr. Cowan, who started with the firm as a chemist in 1929, has served in eight different positions since that time.

Approximately seventeen months after joining the company he was appointed pulp mill assistant at the Luke, Md., plant and served in that position for six years. He was than named assistant superintendent of the pulp mill, and in 1937 was transferred to Charleston, S. C., where the company was building a new kraft mill. When the plant began operations he was appointed pulp mill superintendent, was advanced to general superintendent in 1941, and four years later was named assistant manager.

John D. Cowan

He served as assistant manager in charge of operations at Charleston for four years, and in January of this year was transferred to the company's New York office on special assignment in connection with technical and economic aspects of various operating problems.

Air Reduction Liquidates Domestic Subsidiary Firms

The Air Reduction Company, New York, will liquidate all its wholly owned domestic subsidiaries, effective January 1, it was announced last Wednesday. The respective businesses now conducted by the active domestic subsidiaries will be conducted by corresponding divisions of the corporation. Foreign subsidiaries are not involved. There will be no changes in personnel.

The ten new divisions of Air Reduction and their activities are as follows:—welding equipment and compressed gases; Air Reduction Sales Company, Air Reduction Pacific Company and Air Reduction Magnolia Company; medical, Ohio Chemical & Surgical Equipment Company, Ohio Chemical Pacific Company, and Hospital Supply & Watters Laboratories; calcium carbide, National Carbide Company; dry ice, Pure Carbonic Company; export-import, Airco Company International, and the Airco Equipment Manufacturing Division.

DCAT Plans Luncheon And Dinner Meetings

The Drug, Chemical and Allied Trades Section of the New York Board of Trade has made "Tax Equality" the theme of its mid-Winter luncheon meeting, to be held at the Astor hotel, New York, on January 24.

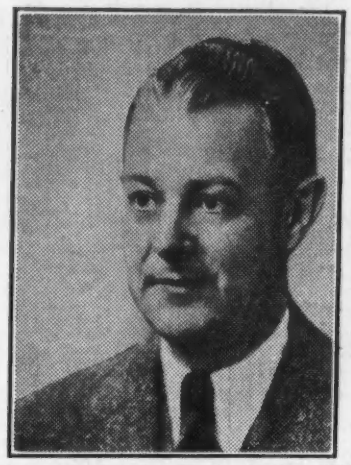
The section has also named chairmen for the various committees for its twenty-fourth annual dinner, to be held at the Waldorf-Astoria hotel on March 9. The chairmen are as follows:—

Dinner arrangements, Charles P. Walker, jr., Citro Chemical Company; program, Robert B. Magnus, Magnus, Mabee & Reynard, Inc.; honor guest, Lloyd I. Volckening, Ivers-Lee Company; publicity, Murray Breese, Murray Breese Associates, and reception, Charles M. Macauley, Prophy-lac-tic Brush Company.

Cottonseed Purchase Date Extended to February 15

The December 31 effective date for terminating purchases of 1949 crop cottonseed under the current emergency purchase program has been extended by the Commodity Credit Corporation to February 15, 1950.

AATCC 1950 President



C. Norris Rabold, Erwin Cotton Mills, Cooloomee, N. C., has been elected president of the American Association of Textile Chemists and Colorists for 1950. Arthur W. Etchells, Hellwig Dyeing Corporation, Philadelphia, and George O. Linberg, Monsanto Chemical Company, Boston, have been named vice-presidents of the association. All three will take office on January 1.

Toxaphene, Lindane Use As Pesticides Approved

Two insecticides, toxaphene and lindane, were recommended, December 19, by entomologists of the Department of Agriculture for the control of several of the most serious of the insect parasites of livestock.

Toxaphene is recommended for the control of ticks, lice, hornflies, and sheep ticks on all livestock except dairy cows. This material is said to be of special value in the control of ticks. For controlling ticks, and lice on cattle and swine, sprays containing .5 percent toxaphene are recommended. Lice on sheep and goats and the sheep tick can be controlled with dips containing as little as 0.1 percent toxaphene, it was added.

Lindane is recommended also as a spray for the control of lice on dairy cows, and for the control of lice and ticks on other cattle. For louse control a concentration of 0.03 percent is recommended. Used alone, lindane will not prevent reinfestations by certain species of ticks for periods longer than a week to ten days, the agency said. When used at a concentration of 0.025 percent lindane in combination with 0.5 percent DDT, however, its period of protection can be lengthened to two or more weeks, it was added. Lindane as a dip containing 0.02 percent of the chemical will also control lice and sheep ticks on goats and sheep. Good control of sheep ticks can also be obtained when sprays containing 0.03 percent lindane are thoroughly applied during warm weather when wool on the sheep is short.

Du Pont Pension Proposal Would Increase Payments

E. I. du Pont de Nemours & Co., Wilmington, has offered to its employees a proposal increasing pension benefits at all levels, without cost to the workers. In addition, it would set a $100-a-month total minimum retirement income including primary social security benefits at age of sixty-five for employees of twenty-five or more years service. If an employee's average last ten years' earnings are in excess of $200 per month, however, his retirement income would exceed this minimum.

Employees who retire before becoming eligible for social security benefits would receive increased benefits until reaching the age of sixty-five when they would be shifted to the status of an age pensioner.

The plan must be submitted to the du Pont stockholders at the annual meeting in April and if adopted would become effective May 1.

Schiefer Awarded Smith Medal for Textile Work

In recognition of outstanding achievement in the science of utilizing textile fibers, Dr. Herbert F. Schiefer, of the National Bureau of Standards' textile laboratory, has been chosen the first recipient of the Harold DeWitt Smith Memorial Medal. The award will be presented to Dr. Schiefer at the Spring meeting of the American Society for Testing Materials in March by ASTM Committee D-13 on textile materials.

FDA Law Annual Meeting January 26

The section on food, drug and cosmetic law of the New York State Bar Association will hold its fifth annual meeting in the meeting hall of the Association of the Bar of the City of New York on January 26. The program is as follows:—

Morning Session

The chairman of the section, Charles Wesley Dunn, will preside. The session will be opened with the following reports on the progress of the Federal food, drug and cosmetic act in 1949:—"Legislative and Administrative Progress, with Comments," by Charles W. Crawford, Associate Commissioner of Food and Drugs, and "Enforcement and Judicial Progress, with Comments," by Daniel P. Willis and William W. Goodrich, office of general counsel, food and drug division, Federal Security Agency.

In addition, the following papers will be presented:—"Applicability of Federal Food, Drug and Cosmetic Act to Drug Advertising," by Vincent A. Kleinfeld, head of the general regulations unit, criminal division, Department of Justice, and "Proceedings Instituted Under Sections 12 to 16 (Inclusive) of Federal Trade Commission Act," by James W. Cassedy, associate general counsel, Federal Trade Commission.

Afternoon Session

The following papers will be presented:—"Some Observations on Law of Cosmetic Advertising," by Hugo Mock, chairman of the committee on cosmetic law; "Use of Colors to Identify Medicinal Products," by George H. Sibley, vice-president and general counsel of E. R. Squibb & Sons, and "Imitation Food Provisions of Federal Food, Drug and Cosmetic Act," by Michael F. Markel, chairman of the committee on uniform state food, drug and cosmetic laws.

In addition, there will be reports on retail food exemptions from the Federal food, drug and cosmetic act, by William A. Quinlan, chairman of a special committee on this subject, and on the progress of products liability law in 1949, by Bradshaw Mintener, chairman of the standing committee on this subject.

Antitrust Law Group Plans Jan. 25 Meeting

The section on antitrust law of the New York State Bar Association will hold its second annual meeting at the meeting hall of the Bar of the City of New York on January 25. The program is as follows:—

Morning Session

The meeting will be opened with introductory statements by Charles Wesley Dunn, chairman of the section; Harold J. Gallagher, president of the American Bar Association, and Neil G. Harrison, president of the New York State Bar Association. Address will be made by Attorney General J. Howard McGrath, on "Progress of Sherman Antitrust Act;" Lowell B. Mason, member of the Federal Trade Commission, on "The Federal Trade Commission—With a New Look," and Representative Emanuel Celler, chairman of the house committee on the judiciary, on "The Current Antitrust Law Investigation."

In addition, there will be a discussion of Federal antitrust law problems, with H. Thomas Austern, of Washington, taking up the "Problem Created by Supreme Court Decision in Standard Oil of California Case (69S. Ct. 1051) under Section 3 of Clayton Act;" William Simon, of Chicago, discussing the "Problem of Meeting Price Competition Under Section 2 (b) of Clayton Act as Amended by Robinson-Patman Act," and Blackwell Smith, of New York, taking up the "Problem of Legislative Proposal for Federal Incorporation and Licensing of Interstate Corporations."

Afternoon Session

Prof. S. C. Oppenheim, George Washington University School of Law, will present an address entitled "A New Look at Antitrust Enforcement Trends." There will also be a round table discussion of the Sherman antitrust act, with Assistant Attorney General Herbert A. Bergson discussing "Big Business Under the Act;" Prof. R. S. Meriam, Harvard Graduate School of Business Administration, taking up "The Act and Business Economics," and Bethuel M. Webster, of New York, discussing "Amendment of the Act."

AWWA Meets May 21-26

The American Water Works Association will hold its 1950 annual conference in Philadelphia on May 21 to 26. All technical sessions and exhibits will be at Convention Hall.

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Current Market Quotations

Chemicals and Related Materials

December 23, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).
Acenaphthene, m.p. below 92.5 C., dms., works lb. .40 - —
above 92.5 C, dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., works, lb. .11½- .12½
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, tech., fib., dms lb. .45 - —
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - —
l.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride, dms., c.l., frt. alld, E lb. .13 - —
l.c.l., frt. alld. E lb. .14½- — —
tanks, frt. alld. E lb. .11½- — —
Acetoacetanilide, bbls., dlvd lb. .67½ - —
fib. dms., c.l., dlvd lb. .66½- — —
l.c.l., dlvd lb. 67½- — —
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib dms. c.l., works lb. 1.14 - —
l.c.l., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l lb. .72 - .73
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½- .10
tanks, dlvd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 1.33
Acetophenone, ens., dms lb. 1.30 1.35
tech., l.c.l., dms., works lb. .75 - —
Acetoactoparaphenetidide, dms., 500 lbs. or more, works, lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. .50 .60
Acetyltributyl citrate, dms lb. .43 .45
smaller pkgs lb. .48 .54
Acetyltriethyl citrate, dms lb. .36 .38
smaller pkgs lb. .41 .47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145- —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - .06½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial, synthetic, CP, dms., works 100 lbs.13.00 - —
cbys., works 100 lbs.18.00 -22.00
USP, cbys., works 100 lbs.13.50 -17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic annydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis, lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms lb. 49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech (see Arsenic, white), USP (see Arsenic trioxide).
Ascorbic, USP, dms., 500-kilo lots kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery cbys., c.l., E. works, 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.85
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .43 - —
USP, bbls., dms., 100 lbs. up lb. .54 - —
Betanaxynaphthoic, bbls., works lb. 1.25 - —
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots ex whse, N. Y. or Chi ton.160.00 - —
less ton lots, same basis, ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi. ton.180.00 - —
less ton lots, same basis, ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots ex whse., N. Y. or Chi. ton.135.00 - —
less ton lots, same basis, ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi. ton.155.00 - —
less ton lots, same basis, ton. 160.00 - —
Acid, basic, tech., 99½%, gran., bulk, c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots, ex whse., N. Y. or Chi ton.140.00 - —
less ton lots, same basis, ton.145.00 - —
bbls., c.l., works ton.115.25 - —
ton lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis, ton.165.00 - —
bulk, c.l., works ton.91.75 - —
USP $25 per ton higher.
Broener's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works lb. .31½ - —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Cacodylic, bots. lb.10.00 -11.00
Camphoric, natural, dms lb. 5.00 - 5.65
synth., dms lb. 4.00 - 4.75
Capric, tech., dms lb. .50 .50½
Caprylic, 99%, dms lb. .50 .50½
Castor oil, split, dms lb. .21 .22
Chlorosulphonic, dms., c.l., works, lb. .03 - —
l.c.l., works lb. .03½ .04½
tanks, works lb. .02½ - —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½ - —
l.c.l., works lb. .26 .27
USP (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½ - —
10,000 lbs., 1 ship't lb. .27 - —
smaller lots lb. .27½ - —
kgs. lb. .28½ - —
Anhydrous citric acid powder, ½c. per lb. higher
USP, cryst., dms., c.l. lb. .27½ - —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb .28½ - —
kgs. lb. .29½ - —
gran., fine gran., dms., c.l. lb. .24½ - —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½ - —
kgs. lb. .26½ - —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 - .66
Coconut oil, dist., dms lb. .22¼- .23¼
double dist., dms lb. .24¼- .25¼
Corn oil, s.d., dms lb. .09¼- .10¼
Cottonseed oil, dist., dms lb. .09¼- .10¼
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .91 - —
l.c.l., non-ret. dms., same basis gal. .94 - —
ret. dms. c.l., same basis lb. .88 - —
l.c.l., same basis lb. .91 - —
Acid, cresylic, dom., coaltar, 50% tanks, same basis gal. .80 - —
50% at 204° to 207° C, c.l., non-ret. dms., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
ret, dms., c.l., same basis, lb. .93 - —
l.c.l., same basis lb. .96 - —
tanks, same basis gal. .85 - —
petroleum, 179°C. to 198°C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .85½- —
l.c.l., same basis gal. .87½- .89½
tanks, same basis gal. .75 - —
195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .70½- —
l.c.l., same basis gal. .72½- .74½
tanks, same basis gal. .60 - —
200° to 222° C, tanks, Wilmington, Cal gal. .60 - —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .65½- —
l.c.l., same basis gal. .67½- 69½
tanks, same basis gal. .55 - —
220° to 242° C, tanks, Wilmington, Cal gal. .55 .58
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .60½- —
l.c.l., same basis gal. .62½- .64½
tanks, same basis gal. .50 - —
245° to 298° C, tanks, Wilmington, Cal gal. .50 - —
296° to 325° C, tanks, Wilmington, Cal gal. .40 - —
Crotonic, fib dms., works lb. .29 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Desoxycholic lb.17.00 -22.00
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½ - —
tanks, works lb. .29½ - —
F, bbls., works lb. 1.87 1.93
Folic, bots., fib. etns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .13 .13½
l.c.l., works lb. .13½ .14
90%, cbys., c.l., works lb. .13½ .14
l.c.l., works lb. .14 .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 - —
smaller lots lb. 1.46 1.48
Gamma, bbls lb. 1.20 - —
Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 - —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —
Glycerophosphoric, 35%, dms., works lb. 2.15 2.25
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½ - —
Hydriodic, 45-47%, cbys lb. 2.60 - —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 - —
tech., 48%, cbys., dlvd E lb. .34 .36
34% cbys dlvd E lb .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb 1.00 - —
dilute, NF, 2% 5-lb bots lb .35 - —
Hydrofluoric, anhyd., cyls., works, lb. .19 - .19½
tanks, works lb. 16½- —
30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb .065 - —
Hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 100% basis lb. 2.50 - 2.85
L, bbls., works lb. .95 - —
Lactic, edible, 50%, bbls., 20 or more lb. .16 .18
smaller lots lb. .17 .19
80%, bbls. 20 bbls. or more, lb. .285 .33
plastic grade, 50%, bbls., 20 or more lb .19¾ - —
10 or less lb. .20¾ - —
80%, bbls., 5 or less lb. .3495 .3549
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —
NF, 85%, cbys lb. .69 .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb. .28 .28½
60%, dms. lb. .25 - .25½
Linseed oil, reg. dist., dms lb. .2150- .2210
water-white, dms lb. .2450- .2510
Maleic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms. lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 2.10
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085- .009
Molybdic, dms., 85%-92%, works lb. .92 .95
Monochloroacetic, purified, flakes, 99%, dms lb. .22½ - .23¼
tech., flake, 96-97%, bbls lb. .18 .19
Muriatic, 18° cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ - —
l.c.l., same basis lb. .14¼- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-3-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - —
Nicotinic, USP, dms., works kilo. 6.00 8.30
Nicotinic amide (see Nicotinamide)
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys., c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11¼- —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 .18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Octoic (see Acid, ethylhexoic).
Oleic (see Oil, red)
Oleum (see Acid, sulphuric, fuming)
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. 14¼ - —
10,000 lbs., works lb. 14½ - —
smaller lots, works lb. 15¼- 15½

Abbreviations
Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip.	precipitated
bls.	bales			prod.	producer
bots.	bottles	fib.	fiber	pt.	point
b.p.	boiling point	f.o.b.	free on board	pulv.	pulverized
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	purif.	purified
		frt.	freight	redist.	redistilled
b.r.	boiling range	fus.	fused	refd.	refined
bxs.	boxes			refy.	refinery
C	centigrade	gal.	gallon	reg.	regular
cbys.	carboys	gran.	granular	resub.	resublimed
CD	completely denatured	grd.	ground	ret.	returnable
		I.&a.	iron and aluminum	SD	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d	single distilled
cks.	casks			S. E.	southeast
c.l.	car lots	imp.	imported	secs	seconds
cns.	cans	incl.	included	s.g.	specific gravity
col.	color	indust.	industrial	ship't	shipment
com'l	commercial	kgs.	kegs	solut.	solution
conc.	concentrated	lacq.	lacquer	s.u	standard unit
CP	chemically pure	lb.	pound	synth.	synthetic
cps.	centipoises	l.c.l.	less than car lots	tech.	technical
cryst.	crystal	liq.	liquid	USP	U. S. Pharmacopoeia
cs.	cases	m.a.p	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, Palm Oil—Allspice

Acid, palm oil, white, dist., dms. lb. .21¼- .21¾
Para-aminobenzoic, purified, dms.,
100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb.
lots or more, works lb. 9.00 - —
smaller lots, works lb. 9.05 -10.00
Paramethylphenyicinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - .95
Peanut oil, s.d., dms lb. .12¼- .13¾
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.51 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
t.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l lb. .10½- —
For shipments in cbys., add handling charges
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 3.45 3.60
Pyroligneous, dms. incl., l.c.l., ex whse gal. .41 - —

Acid, ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l lb. .31 - —
l.c.l. bl. .38 - —
dyestuffs grade, bbls lb. .32 - —
USP, cryst., bbls lb. .40 - —
powder, bbls. lb. .45 - —
Sebacic, purified, dms., c.l., works. lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single dist., dms lb. .10¾- .11¾
double dist., dms lb. .11¾- .12¾
Stearic, double pressed, bgs lb. .13¼- .13¾
single pressed, bgs lb. .12¼- .12¾
triple pressed, bgs lb. .15½- .16
Succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 —
t.c.l., E. works 100 lbs. 1.80 2.50
tanks, E. works ton 13.75 —
66 Be, cbys., c.l., E. works 100 lbs. 1.65 - —
t.c.l., E. works 100 lbs. 2.05 2.75
tanks, E. works ton 17 00 —
98%, tanks, E. works ton 18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼ —
t.c.l., same basis lb. 12¾- .13¾
fuming, 20%, tanks, E works. ton 19.00 —
Tallow, dist., dms lb. .09 - .09½
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90

Acid, tannic, USP, fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't. lb. .31½- —
smaller lots lb. .32 - —
100-lb. dms lb. .33 - —
small, dms lb. .35 - .37
imported, kgs lb. .28 - .30
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
t.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls lb. .55 - .60
Root, bbls. lb. .60 - .70
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .33 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.85 - 1.95
futures, bls. lb. 1.65 - 1.75
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg) edible, flake, bbls lb. 1.87 - 1.90
powd., bbls lb. 1.92 - 1.95
tech., cryst., bbls lb. .80 - .85

Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .67¼- .72¼
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd. lb. .31½- —
works lb. .32½- —
l.c.l., dlvd. lb. .32½- —
works lb. .33 - —
tanks, dlvd. lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 - —
l.c.l., frt. alld. E. of Miss lb. .17 - —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd. lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. 42 - —
Benzyl, dms. lb. 60 - .88
tech., dms., works, frt. equald. lb. 45 - .50
Butyl, normal, ferment, fil., ind. prod., dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
tankwagon, frt. alld lb. .13 - —
other production, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
synthetic, normal, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
secondary, dms., c.l., frt. alld. lb. .11½- —
l.c.l., dlvd., frt. alld lb. .12 - —
tanks, dlvd., frt. alld lb .10 - —
tertiary, dms., c.l., frt. alld lb. .11½- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.75 - 2.95
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R. gal. .46½- .51¼
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .41½- —
l.c.l., same basis gal. .45½- .50¼
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 - —
l.c.l., same basis gal. .44 - .4
tanks, same basis gal. .30 - —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .43 - —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R. gal. .40½- —
l.c.l., same basis gal. .44½- .49¼
tanks, same basis fal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R. gal. .42½- —
l.c.l., same basis gal. .46½- .51¼
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd. lb. .13½- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.49 - —
l.c.l., same basis gal. 17.53 -17.58
tanks, same basis gal. 17.39 - —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.44 - —
l.c.l., same basis gal. 18.48 -18.53
tanks, same basis gal. 18.34 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l., works lb. .15 - —
tanks, dlvd lb. .12½- —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd. gal. .38 - —
l.c.l., dlvd gal. .41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd. gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb. 06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 .16
denaturing grade, dms. gal. 1.33 1.48
Aletris root, bgs. lb. 1.50 1.60
Algin, bbls., tib. dms lb. .76 1.00
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .35 - .40
Allspice, Jamaica (see Pimento).
Mexican, bgs lb. .19 - .19¼

From SHELL CHEMICAL

New Lower Price!

ACROLEIN

$CH_2=CH-C(=O)-H$

PROPERTIES

Molecular Weight	56.06
Specific Gravity 20/4°C.	0.8389
Melting Point	—86.9°C.
Boiling Point	52.7°C.
Flash Point, Tag Open Cup	Below 0°F.

Colorless . Soluble in alcohol and ether

REACTIONS OF THE CARBONYL GROUP

Reactant	Conditions of Reaction	Products of Reaction
KCN	Glacial acetic acid in ether solution	$CH_2=CH-CH(OH)-CN$ acrolein cyanohydrin
Malonic acid	Pyridine solution	$CH_2=CH-CH=CH-COOH$ 2,4-pentadienoic acid
Acetic anhydride	In presence of acid	$CH_2=CH-CH(O-C(=O)-CH_3)-O-C(=O)-CH_3$ acrolein diacetate
C_2H_5MgBr	Grignard solution	$CH_2=CH-CH(OH)-C_2H_5$ 1-penten-3-ol
HCl (dry)	Low temperature	$Cl-CH_2-CH_2-CHO$ β-chloropropionaldehyde

REACTIONS OF THE DOUBLE BOND

Furan	Presence of SO_3 and high temperature	2-furanpropionaldehyde and 2,5-furandipropionaldehyde
Cyclopentadiene	Elevated temperatures	2,5-endomethylene-1,2,5,6-tetrahydrobenzaldehyde
RSH	—	$R-S-CH_2-CH_2-CHO$ β-alkylthiopropionaldehyde
Phenol	In presence of acid or dilute alkali	aldehyde type resins

THE VERSATILE, EXTREMELY REACTIVE INTERMEDIATE

Because of its almost unlimited reaction possibilities, Acrolein is being used or is under consideration for a wide variety of products.

At the new, substantially reduced price, Acrolein is now an even more attractive intermediate . . . allowing economical exploration of its use for important new products.

Some of the products of the many possible Acrolein reactions are listed here. If you are working with any of these, we suggest that you investigate the advantages *and new economies* of Acrolein. We will be glad to discuss the use of Acrolein in your processes.

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ANILINE OIL

Prime quality, in bond available for export, carload or less carload. Very attractive price.

CRESYLIC ACID

Produced by Wm. Butler & Co. (Bristol) Ltd., tar distillers since 1843 to meet the most exacting ADF specifications.

METHYL ACETATE

High purity, water white, regular production. Available drums or tank cars.

ORTHO CRESOL

We can regularly supply grades crystallizing at 28/29° C; 29/30° C; and 30/31° C.

PYRIDINE

Denaturing grades 90% distilling at 160° C, and 90% distilling at 140° C; also the pure 2° Pyridine distilling at 114/117° C.

ETHYLENE GLYCOL DIETHYLENE GLYCOL PROPYLENE GLYCOL

Large warehouse stocks available for immediate shipment.

CAMPHOR

USP Natural Refined Powder, Cakes and Tablets.

To close out our year-end inventory, we offer the following:

50 Bags BARIUM CHLORIDE, Technical
15,000 Gallons HEXANE, about 98%
8,000 Gallons METHANOL, Synthetic
88Barrels NITRATE OF SODA, Technical

WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.
TELEPHONE OREGON 9-2550
CABLE—"WILNEUBERG"

Allyl Bromide—Anthraquinone

Allyl bromide, coyd., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb .16½ - —
l.c.l., dlvd. lb .17 - —
tanks, dlvd. lb .15 - —
Aloe, Cape, cs lb. .21 - .23
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb .41 - 42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene bbls lb .34 - —
Alphapicoline, tet dms., c.l. works, frt. equald lb. .27 - .30
t.c.l., works, frt. equald lb .29½ - .30
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol dms., t.c.l., dlvd E. lb .17 - —
Alphatocopherol, bots kilo.350.00 - —
Acetate, bots kilo.350.00 - —
Althea root, NF, peeled, bls lb .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs 3.80 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .29 - .21
hydrous, bbls. lb. .07¾ - .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾ - .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs 3.25 - —
t.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ - .05
crystalline (see Aluminum oxide).

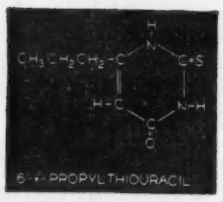
Aluminum acetate, basic solution, 24%, bbls., t.c.l., works lb. .11 - —
20%, bbls., t.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .11 - .11½
t.c.l., works lb. .11½ - .12
cryst., com'l, dms., c.l., works lb. .0650 - —
t.c.l., works lb. .0690 - —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼ - —
t.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 - —
t.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l lb. .09½ - —
t.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 -54.00
t.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. 21¼ - —
contract, works lb. 20¼ - —
9-9½% Al_2O_3, fib. dms., works lb. 18¼ - —
contract, works lb. 17¼ - —
dried, USP XII, fib. dms., works. lb. 79½ - —
contract, works lb. 76½ - —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .27 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liquid, 1.7%, frt. alld lb. .24½ - .25
Oleate, dms., precip lb. .35¼ - —

Aluminum oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½ - —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs. frt. alld lb .50 —
optical, floated, kgs., dlvd lb. .36 .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb .15 —
high-purity, alpha or gamma, ultrafine, dms., works lb 13.50 —
jars, works lb.15.00 -17.00
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39¼ - —
Powder, lining, extra fine, dms lb. .86 - —
standard, dms lb. .64½ - —
rubber comp., dms lb. .48½ - —
unpolished, standard, dms lb. 44½ - —
varnish, standard, dms lb 49 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum, resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, dibasic, ctns., c.l. lb. .30 - —
t.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
t.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
t.c.l. lb. .31 - —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
t.c.l., same basis 100 lbs. 1.90 —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 —
t.c.l., works 100 lbs. 3.15 —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .97 - 1.03
Aminomethylpropanol, cns., dms., works lb. .65 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
t.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Aminophylline, USP, bots., kgs lb 6.00 —
Aminopyrine, USP, bots., dms lb 6.00 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
t.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 - —
t.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.60 - —
t.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb. .39 .40
reagent, jars lb. 61 .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., works, c.l. lb. .05½ - —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb. .31 - .32
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .18½ - .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 —
Iodide, NF, jars lb. 3.79 - 3.91
Linoleate, plastic, 80%, dms., works lb. .40½ - —
kgs., works lb. .42½ - —
25%, dms., frt. alld lb. .21½ - —
tech., obls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, tertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.57.50 - —
dom., bgs., western works ton.58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 - —
Oleate, dms., precip lb. .23¼ - —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton.12.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½ - .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½ - —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½ - —
Salicylate, NF, dms., kgs lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton.45.00 -50.00
converters', bulk, works ton.45.00 -50.50
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½ - —
t.c.l., works lb. .15½ - —
tanks, dlvd. or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
t.c.l., works lb. .16 .19
Thioglycollate, highly purified, 100% basis, cbys. lb. 1.70 - 2.25
commercial, same basis lb. 1.40 - 1.95
Thiosulphate, jars lb. .32 - .36
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb. 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb. 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, bots lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .16½ - —
t.c.l., dlvd lb. .17½ - —
tanks, dlvd lb. .15 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .16 - —
t.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, com l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - .75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .15 - —
t.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .16 - .16¼
Cyprus, bgs lb. .20 - .20½
Mexican, bgs. lb. .15 - .15½
Syrian, bgs lb. .15 - .15½
Anisic aldehyde, bots., dms lb. 2.10 -2.35
Annatto paste, bxs lb. .32 - .33
Seed, bgs lb. .18 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —

PROPYLTHIOURACIL FOR THYROTOXICOSIS



Propylthiouracil (6-n Propylthiouracil) is a notable addition to thyrotoxicosis therapy. Propylthiouracil has proved to be as effective as Thiouracil on far lower dosage levels and it does not exhibit the undesirable side effects of the related compound. In addition, it is well tolerated by patients previously exhibiting sensitivity to Thiouracil. For complete information about Propylthiouracil, write for Calco Technical Bulletin No. 720.

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Pacific Coast Stock, Sales and Service Departments maintained at Calco Chemical Division, American Cyanamid Company, 2472 East Eighth Street, Los Angeles 21, Calif.

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Sulfadiazine U.S.P.
(powder and micro crystal . . . the Sulfa drug of choice)
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
(powder and micro crystal)
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Folic Acid
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl
Para Aminosalicylic Acid
Pyridoxine HCl
Saligenin
Propylthiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use

*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

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AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Antimony butter (see Antimony chloride).
Chloride, solut., cbys. lb. .29 - .30
Metal, bulk, c.l., mines lb. .32 - —
Oxide, ceramic grade, bgs., c.l., frt. alld. lb. .27 - —
l.c.l., frt. alld. lb. .28 - —
paint grade, bgs., c.l., frt. alld. lb. .27 - —
l.c.l., frt. alld lb. .28 - —
Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss. lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 - .23
Antimony potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 2.45
Apomorphine, USP, bots. oz. 23.20 -23.70
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb. .22 .25
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo kilo. 140.00 150.00
Argols, min. 30%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .75
root, bls. lb. 1.45 —
Arrowroot, powd., bgs. lb. .13 .16
Arsenic, metal, lump, bbls., prompt shipt lb. .80 .90
Sulphide, yellow, bbls lb. No stocks
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06¾- 06¾
Asafetida, cs. lb. .32 .35
powd., bbls., dms lb. .50 .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 940.00 -960.00
No. 2, c.l. (20 tons), mines ton. 485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton. 400.00 —
Fiber, 3K, c.l. (20 tons), mines. ton. 313.00 - —
3R, c.l. (20 tons), mines ton. 267.00 - —
3T, c.l. (20 tons), mines ton. 249.50 - —
3Z, c.l. (20 tons), mines ton. 231.00 - —
4K, c.l. (20 tons), mines ton. 124.50 - —
4M, c.l. (20 tons), mines ton. 124.00 - —
4T, c.l. (20 tons), mines ton. 111.50 -141.00
4Z, c.l. (20 tons), mines ton. 111.50 - —
5D, c.l. (20 tons), mines ton. 88.00 - —
5K, c.l. (20 tons), mines ton. 88.00 - —
5M, c.l. (20 tons), mines ton. 84.00 - —
5R, c.l. (20 tons), mines ton. 78.50 -79.00
6D, c.l. (30 tons), mines ton. 58.00 -59.00
7D, c.l. 30 tons), mines ton. 52.00 -52.50
7F, c.l. (30 tons), mines ton. 49.00 -49.50
7H, c.l. (30 tons), mines ton. 41.50 -42.00
7K, c.l. (30 tons), mines ton. 35.00 -35.50
7M, c.l. (30 tons), mines ton. 30.50 -31.00
7R, c.l. (30 tons), mines ton. 29.50 -30.00
7T, c.l. (30 tons), mines ton. 28.00 -28.50
7RF, c.l. (30 tons), mines ton. 30.50 -31.00
7TF, c.l. (30 tons), mines ton. 30.50 -31.00
8S, c.l. (30 tons), mines ton. 19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton. 36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. 05¾- .15
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton. 22.00 —
80-300 penetration, tanks, tankwagon, refinery ton. 21.00 - —
Atropine, USP, bots. oz. 13.50 -14.00
Sulphate, USP, bots. oz. 9.00 - 9.35

B

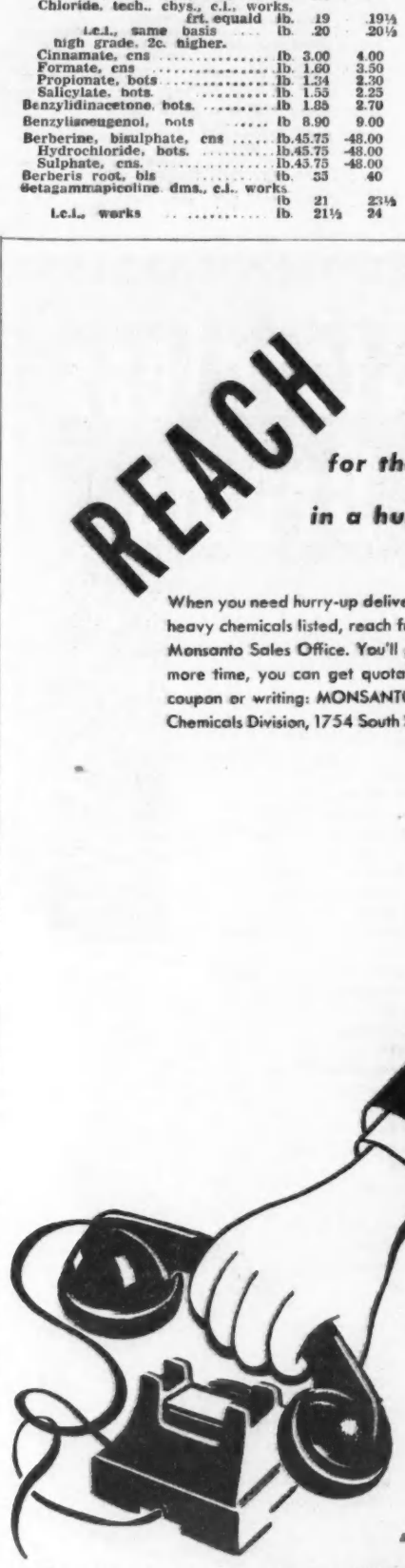
Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.38 - —
Balm of Gilead buds, dried, bgs lb. 1.40 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs. lb. .60 - .65
tree bark, bgs. lb. .53 .55
Barbital, USP, dms. lb. 4.50 —
Sodium, USP, dms. lb. 4.75 —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 72.50 -80.00
smaller lots, works ton. 82.50 -90.00
Chlorate, kgs., works. lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., bgs., c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ton. 100.00 - —
Chromate, bgs., frt. equald lb. .31½- .32
Dioxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l., works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .34 - —
smaller lots lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls lb .12½- .13
Sulphide, dms., c.l., works ton. 55.00 - —
l.c.l., works ton. 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld. lb. .20 - —
l.c.l., works lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton. 35.05 - —
l.c.l., same basis ton. 36.85 - —
ex whse., N. Y. ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ton. 20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. lb. .75 1.10
Root, bls. lb. .45 .50
Bauxite, bulk, mines ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 —
Benzaldehyde, NF, dms. lb. .68 —
tech., cbys., dms. lb. .45 —
Benzal chloride, cbys., works lb. .19 .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
12% gamma, tech., bgs., dms., c.l., works lb. .24 - —
l.c.l., works lb. .26¼- —
6% gamma 50% dust, dry, distributors, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
wet, distributors, dms., c.l., dlvd. lb. .16½- —
l.c.l., dlvd lb. .17½- —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, cns. lb. 3.25 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich. gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward Ala., Youngstown, Ohio. gal. .20 - .22
Benzophenone, cms lb. 1.15 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb. .35 - —
less ton lots, same basis lb .37 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½ .21
l.c.l., same basis lb. 21½- .22
Peroxide, pure, 6lb. ctns., works. lb. .90 1.05
Benzyl acetate, t.f.c., dms lb. .60 1.00
Alcohol (see Alcohol, benzyl)
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 .19½
l.c.l., same basis lb. .20 .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 4.00
Formate, cns lb. 1.60 3.50
Propionate, bots lb. 1.34 2.30
Salicylate, bots. lb. 1.55 2.25
Benzylidinacetone, bots. lb 1.85 2.70
Benzylisoeugenol, bots lb 8.90 9.00
Berberine, bisulphate, cns lb. 45.75 -48.00
Hydrochloride, bots. lb. 45.75 -48.00
Sulphate, cns. lb. 43.75 -48.00
Berberis root, bls lb. 35 40
Betagammapicoline, dms., c.l., works. lb 21 23½
l.c.l., works lb. 21½ 24
Betamethylnaphthalene, m.p., 32°C., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .75 - —
tech., bbls., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Benzoate, 6lb. dms., works lb. 1.75 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works lb. 1.35 - —
98%, dms., c.l., works lb. 1.55 - —
Beth root, bls. lb .45 - .50
Biotin, cryst. gram 12.50 - —
Bismuth chloride, tars lb 3.95 —
Citrate, USP VIII, jars lb. 3.27 - —
Hydroxide, dms lb 4.18 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.85 - —
Oxychloride, dms lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.60 - —
Phenolsulphonate, 6lb. dms lb 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, 6lb dms lb. 2.75 - —
Subiodide, 6lb. dms. lb. 4.90 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l. shipt. point lb. .17 .19
Bone, bgs., bbls., l.c.l., dlvd lb. .14⅜- .22⅛
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Black, carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd. or whse lb. .117 - .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns. l.c.l., whse lb 09½- —
high modulus, bgs., c.l., works. lb. .05 - —
ctns. l.c.l., whse lb 09 - —
semi-reinforcing, bgs., c.l., works lb. .03½- —
ctns., l.c.l., whse lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse lb .1125- .1170
Charcoal (see C).
Graphite (see G)
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry root, bls. lb 12 - .13
bark of root, bls lb. 30 - .32
Black dyes (see Dyes).
Black haw, root bark, bls. lb. 70 - .80
Tree bark, bls lb. 28 - .30
Black Indian hemp root, bls. lb. 45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton. 77.50 - —
l.c.l., works ton. 85.00 - —
direct process, bgs., c.l., works ton. 85.00 - —
l.c.l., works ton. 90.00 - —
N. Y. whse. ton. 106.00 - —

REACH

for the phone when you're in a hurry for intermediates

When you need hurry-up delivery on any of the intermediates and heavy chemicals listed, reach for your phone and call the nearest Monsanto Sales Office. You'll get action. If you can take a little more time, you can get quotations and samples by mailing the coupon or writing: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1754 South Second Street, St. Louis 4, Missouri.



INTERMEDIATES
1. para-Aminobiphenyl
2. para-Nitrobiphenyl
3. ortho-Anisidine
4. para-Anisidine
5. Benzoic Acid, Technical
6. Benzyl Chloride
7. Benzotrichloride
8. ortho-Chloroaniline
9. para-Chloroaniline
10. ortho-Chlorophenol
11. para-Chlorophenol
12. Cyclohexylamine
13. Dicyclohexylamine
14. Dinitroaniline
15. Dinitrochlorobenzene, 46.5°
16. Dinitrochlorobenzene, 48.0°
17. ortho-Nitroaniline
18. ortho-Nitrochlorobenzene
19. ortho-Phenetidine
20. para-Phenetidine
21. Phenolsulfonic Acid, 65% and 70%
22. Sodium Benzoate, Technical
23. para-Toluenesulfonamide
24. para-Toluenesulfonchloride
25. Toluenesulfonic Acid
26. meta-Chloroaniline
27. Monsanto Salt
28. ortho-Aminobiphenyl
29. ortho-Nitrobiphenyl
30. para-Nitrochlorobenzene
31. para-Nitrophenol
32. Phenol, U. S. P.
33. Phosphorus Oxychloride — Phosphorus Trichloride
34. Salicylic Acid, Technical
35. Sodium Salicylate, Technical

HEAVY CHEMICALS
36. Basic Chrome Sulfate (Santotan) for tanning industry
37. Salt Cake (Sodium Sulfate, Technical)
38. Sulfur Dioxide
39. Muriatic Acid
40. Nitric Acid
41. Sulfuric Acid
42. Chlorosulfonic Acid

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MONSANTO CHEMICAL COMPANY
Desk M, Organic Chemicals Division
1754 South Second Street, St. Louis 4, Missouri

Please send _____ samples, _____ quotations on the chemicals for which numbers are circled: 1 — 2 — 3 — 4 — 5 — 6 — 7 — 8 — 9 — 10 — 11 — 12 — 13 — 14 — 15 — 16 — 17 — 18 — 19 — 20 — 21 — 22 — 23 — 24 — 25 — 26 — 27 — 28 — 29 — 30 — 31 — 32 — 33 — 34 — 35 — 36 — 37 — 38 — 39 — 40 — 41 — 42.

Name _____ Title _____
Company _____
Street _____
City _____ Zone _____ State _____

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Blanc Fixe—Calcium Carbide

Blanc fixe, dry, direct process, bbls., c.l., works	ton	90.00	—
t.c.l., works	ton	95.00	—
N. Y. whse.	ton	113.00	—
pulp, 66⅔% bbls., c.l., works,	ton	67.00	—
t.c.l., same basis	ton	73.00	—
Bleaching powder, dms., c.l., works,	100 lbs.	4.50	—
t.c.l., works	100 lbs.	5.00	—
Blood, dried, 16-16½% ammo., bgs.,	unit-ton	8.00	—
high-grade, unground, 16-17% ammon., bulk, Chicago.	unit-ton.	8.50	—
soluble, bgs., c.l.	lb.	16½	17½
l.c.l.	lb.	17½	22
Bloodroot, bls	lb.	.40	45
Blue, alkali, dry, bbls., dlvd. N. of Tenn and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.90	—
Toner, obs., nitho flushed, same basis	lb.	1.05	—
Celestial, bbls., same basis	lb.	15	.16
Chinese, bbls., same basis	lb.	45	—
Cobalt, genuine, bbls., same basis.	lb.	4.90	—
imitation (see Blue, ultramarine).			
Copper-phthalocyanine, full strength, bbls., same basis	lb.	3.75	3.85
30%, bbls., same basis	lb.	3.00	3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).			
Methyl violet toner, bbls., same basis	lb.	4.20	—
Milori, bbls., same oasis	lb.	.45	—
Peacock, fugitive, 100% color strength, same basis	lb.	.60	.79
Blue, permanent toner, green shade, molybdic, bbls., same basis	lb.	3.75	—
tungstic	lb.	4.00	—
Potash, CP, bbls., same basis	lb.	.51	—
Prussian, bbls., same basis	lb.	.43	—
soluble, bbls., same basis	lb.	.45	—
Soda, C.P., bronze, bbls., same basis	lb.	.39	—
Ultramarine, cobalt type, dry or pulp, bbls., same basis	lb.	.25	.26½
jobbing type, dry, bbls., same basis	lb.	.14	—
regular types, dry or pulp, bbls., same basis	lb.	.19	.29
Victoria toner, molybdic, bbls	lb.	3.75	—
Tungstic, bbls	lb.	3.75	—
Violet toner, molybdic, bbls., same basis	lb	1.24	—
Tungstic, kgs., same basis	lb.	2.60	2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag, root, bls.	lb.	.45	.50
Bluestone (see Copper sulphate).			
Blue vitriol (see Copper sulphate).			
Boldo leaves, bls	lb.	.09	.12
Bone, raw, bulk, Chicago	ton.	75.00	—
junk, bulk, same basis	ton.	50.00	52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works	ton.	65.00	—
Chicago, works	ton.	65.00	—
Bone meal, steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works	ton.	65.00	—
Chicago, works	ton.	65.00	—
fertilizer grade, 3% ammon., 50% phos., bgs., E. works.	ton.	65.00	—
Chicago, works	ton.	65.00	—
Phosphate, defluorinated (see D).			
precipitated (see Calcium phosphate tribasic precip).			
Boneset leaves, bls	lb.	.14	.16
Borage flowers, bls	lb.	.40	.45
Borax, tech, anhydrous, bgs., c.l., works	ton.	70.50	—
ton lots, ex whse. N. Y. or Chi	ton.	115.25	—
less ton lots, same basis,	ton.	120.25	—
bbls., c.l., works	ton.	90.50	—
ton lots, ex whse, N. Y. or Chi	ton.	135.25	—
less ton lots, same basis,	ton.	140.25	—
bulk, c.l., works	ton.	64.00	—
crystals, 99½%, bgs., c.l., works,	ton.	61.25	—
ton lots, ex whse, N. Y. or Chi	ton.	106.00	—
less ton lots, same basis,	ton.	111.00	—
bbls., c.l., works	ton.	81.25	—
ton lots, ex whse, N. Y. or Chi	ton.	126.00	—
less ton lots, same basis,	ton.	131.00	—
bulk, c.l., works	ton.	57.25	—
granular, 99½%, bgs., c.l., works	ton.	35.25	—
ton lots, ex whse, N. Y. or Chi	ton.	80.00	—
less ton lots, same basis,	ton.	85.00	—
Borax, tech., gran., 99½% bbls., c.l., works	ton.	55.25	—
ton lots, ex whse, N. Y. or Chi	ton.	100.00	—
less ton lots, same basis,	ton.	105.00	—
bulk, c.l., works	ton.	31.25	—
powdered, 99½%, bgs., c.l., works	ton.	40.25	—
ton lots, ex whse, N. Y. or Chi	ton.	85.00	—
less ton lots, same basis,	ton.	90.00	—
bbls., c.l., works	ton.	60.25	—
ton lots, ex whse, N. Y. or Chi	ton.	105.00	—
less ton lots, same basis,	ton.	110.00	—
bulk, c.l., works	ton.	36.25	—

Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point	lb.	.15	.21
l.c.l., same basis	lb.	.16	.23
Borneol, cns.	lb.	2.75	—
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).			
Brazilwood extract (see Hypernic).			
Brimstone (see Sulphur).			
Bromine, purified, cs., c.l., frt. alld. E. of Rockies	lb.	.21	—
1,000 lbs., same basis	lb.	.23	—
single pkgs., same basis	lb.	.28	—
dms., lead-lined, dlvd	lb.	.21	—
Bromoform, USP, bots	lb.	1.50	1.70
cbys.	lb.	1.42	—
Bromstyrol, bots	lb.	4.85	6.25
Bronze powder, aluminum (see A).			
Gold, litho., cans, dms., works.	lb.	.50	.60
moulding, cans, dms., works.	lb.	.80	1.00
printing ink, cans, dms., works	lb.	.95	1.10
radiator, cans, dms., works.	lb.	.60	.65
Broomtop, bls.	lb.	.25	.26
Brown, iron, synth., bgs., l.c.l., works	lb.	.12½	—
Oxide, metallic, bgs., works	lb.	.03	.03¼
Sap, crystals, works	lb.	.12	—
powdered	lb.	.13	—
Sienna, burnt, paper bags., c.l., works	lb.	.03¾	.14¾
l.c.l., works	lb.	.04	.15
raw, paper bgs., c.l., works	lb.	.04	.12½
l.c.l., works	lb.	.04¼	.12¾
Phytate, bgs., works	lb.	.28	—
Umber, burnt, American, c.l., bbls., works	lb.	.04¾	.05¾
l.c.l., bgs., works	lb.	.05	.06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y.	lb.	.05¾	.07¾
l.c.l., works	lb.	.06	.08
raw, American, bgs., same basis.	lb.	.03¾	.06
Turkey type, bgs., same basis	lb.	.06	.06¼
Vandyke, bbls., works	lb.	.09¾	.12
Brucine, cns., 100 ozs	oz.	.45	—
Sulphate, NF, cns., 100 ozs	oz.	.35	—
Bryonia root, bls	lb.	.29	.35
Buchu leaves, bls	lb.	.75	.80
Buckthorn bark, bls	lb.	.14	.18
cut and sifted, bls	lb.	.23	.25
Berries, bgs	lb.	.80	.90
Burdock, root, bls	lb.	.20	.26
Butadiene, cyls., refy	lb.	.19	—
tanks, same basis	lb.	.11½	—
Butane, indust., tanks, group 3	gal.	.04	—
Butternut bark, bls	lb.	.19	.25
Butyl acetate, normal, ferment., ill., ind., prod., dms., c.l., works, frt. alld	lb.	.14	—
l.c.l., same basis	lb.	.15	—
tanks, same basis	lb.	.12½	—
tankwagons, same basis.	lb.	.13	—
other production, dms., c.l., same basis	lb.	.14	—
l.c.l., same basis	lb.	.15	—
tanks, same basis	lb.	.12½	—
synthetic, normal, dms., c.l., same basis	lb.	.14	—
l.c.l., same basis	lb.	.15	—
tanks, same basis	lb.	.12½	—
secondary, dms., c.l., same basis	lb.	.11½	—
l.c.l., same basis	lb.	.12	—
tanks, same basis	lb.	.10	—
Alcohol (see Alcohol butyl)			
Aldehyde, dms., c.l., works	lb.	.17½	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16	—
Ether (see Ether, butyl)			
Isobutyl methacrylate, P-5, 50/50, cns., works	lb.	.60	—
Lactate, dms., c.l., frt. alld. E. of Rockies	lb.	.42½	—
l.c.l., same basis	lb.	.43½	—
tanks, same basis	lb.	.41	—
Laurate, dms., works	lb.	.42	—
Methacrylate, M-4, dms., works	lb.	.60	—
cns., works	lb.	.63	.67
P-4, cns., works	lb.	.65	—
Myristate, dms., works	lb.	No prices.	
Oleate, refd., dms., l.c.l., works	lb.	.52	—
Phenylacetate, dms	lb.	2.00	2.25
Phthalate (see Dibutyl phthalate).			
Propionate, dms., dlvd	lb.	No stocks	
tanks, dlvd.	lb.	No stocks	
Stearate, dms., c.l., frt. alld. E. of Rockies	lb.	.27	—
l.c.l., same basis	lb.	.28½	—
Butyric ether (see Ethyl butyrate).			

C

Cacao butter (see Cocoa butter).			
Cadmium bromide, reagent, jars	lb.	2.64	2.65
Iodide, jars	lb.	5.00	5.22
Lithopone (see Yellow).			
Metal, ingots or sticks, cs., dlvd.	lb.	2.00	—
patent shapes, cs., dlvd	lb.	2.15	—
Selenide (see Red).			
Sulphide (see Yellow).			
Caffeine, natural, USP, cryst., dms., 100 lbs. or more	lb.	4.75	—
anhydrous, dms., 100 lbs. or more	lb.	5.00	—
Synthetic, USP, cryst., dms., 100 lbs. or more	lb.	3.80	—
anhydrous, dms., 100 lbs. or more	lb.	4.00	—
Citrated, USP, dms., 100 lbs. or more	lb.	2.60	—
Hydrobromide, bots	lb.	6.70	Nom.
Calabar beans, bgs., futures	lb.	.65	.66
Calamine, USP, dms	lb.	.27	.29
Calamus root, dom., bgs.	lb.	.27	.30
imported, bleached, bls	lb.	.70	Nom.
peeled, bls	lb.	.30	.31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works	gram	4.00	—
1,000 to 10,000 s.u., works	gram	4.40	—
less than 1,000 s.u., works	gram	4.80	—
in edible oil, dms., 10,000 or more	unit.	.10	—
1,000 to 10,000 s.u., works	unit.	.11	—
less than 1,000 s.u., works	unit.	.12	—
Calcium acetate, bgs., dlvd	100 lbs.	3.00	4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld	lb.	.09½	—
l.c.l., same basis	lb.	.10½	—
Bromide, NF, jars	lb.	.75	.85
Carbide, standard generator size, dms., c.l., dlvd	ton.	121.00	—

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Calcium carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars. lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald. ton 22.00 - —
l.c.l., same basis ton 37.00 -67.00
liquor, works, basis 40%, tankcars ton 9.00 - —
pellets, bgs., c.l. works ton 29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton 20.00 - —
l.c.l., works, same basis ton 30.00 -59.00
USP gran bbls lb .30 - —
Chromate, bgs., frt. equald lb .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb .30 - .50
Gluconate, AA, bbls., dms lb .65 - .70
USP, bbls., dms lb .58 - .65
Glycerophosphate, NF, fib., dms. lb 1.65 - 1.80
Hydride, dms., works lb .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis. cs. 19.75 -21.50
Hypophosphite, 50-lb. lots, dms. lb .80 - .83
Iodide, jars lb 4.12 - —
Lactate, USP, dms lb .37 - .44
Mandelate, USP, dms., works lb 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. alld lb .23¾ - —
Nitrate, tech., works lb .07 - .09
Pantothenate dextro jars gram .07½
Phenolsulphonate, dms lb .64 - .65
Phosphate dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7 10 - 7.45
feed grade, bgs., 10 tons, works. ton 105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb .05¾ - —
smaller lots, same basis lb .06¼ - —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Resinate, precip., dms., frt. alld., works lb .24 - —
Silicate, hydrated, bgs., c.l., works lb .05½ - —
l.c.l., works lb .06 - —
Stearate, precip., ctns., c.l., works. lb .32 - —
l.c.l., works lb .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton 45.00 - —
70%, bgs., c.l., works ton 50 00 - —
luminous, tins, works lb 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb 1.06 - 1.50
fine particle size, dms., works lb 1.50 - 1.75
Calendula flowers, bls lb .50 - .85
Calomel, USP, fine powd., dms., lb 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs. lb 3.10 - 3.20
natural lbs. No prices.
synth., tech., bbls., 2,000 lbs. or more, works lb .42 - —
10 bbls. (1,500 lbs.) lb .44½ - —
smaller lots lb .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb .45 - —
1,000-lb. lots lb .46 - —
smaller lots lb .47 - —
tablets, tins, 2,000-lb. lots lb .73 - —
1,000-lb. lots lb .74 - —
smaller lots lb .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb .25 - .30
Cantharides, Chinese, cs lb 1.00 - 1.30
powd., bxs. lb 1.15 - 1.50
Russian, bgs lb 4.50 - 5.00
powd., bxs. lb 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb 6.50 - 6.75
Caramel coloring, NF, bbls gal 1.02 - 1.20
Caraway seed, Dutch, bgs lb .13¾ - .14
Carbazole, 97%, steel drms., ton lots, works lb 1.75 - —
fib. dms., same basis lb 1.70 - —
Carbinol, butyl, secondary, dms., l.c.l., works lb .70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb .13 - —
l.c.l., same basis lb .13½ - —
tanks, same basis lb .11½ - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb .06¼ - —
l.c.l., same basis lb .07¼ - —
5-gal. dms., c.l., same basis lb .09½ - —
l.c.l., same basis lb .08¾ - —
tankcars, same basis lb .0445 - —
Dioxide, cyls lb .06 - .08
Tetrachloride, CP, dms., works lb .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld lb .08 - —
l.c.l., same basis lb .08½ - —
W. of Rockies, c.l., f.o.b. stock points lb .08½ - —
l.c.l., frt. alld. lb .09 - —
NF, cbys lb .17 - .19
Carboxymethylcellulose-sodium—See CMC.
Carbromal, NF, dms., 100-lb. lots, works lb 4.00 - 4.25
100-lb. lots, works lb 4.10 - 4.75
Cardamom fruit, bleached, extra fancy, cold, cs lb 3.50 - 3.55
bold, cs., afloat lb 3.40 - 3.45
medium, cs lb 3.35 - 3.40
Coorges, cs., futures lb 2.25 - 2.30
decorticated, Guatemalan, cs., futures lb 3.10 - 3.15
Indian, cs., futures lb 3.10 - 3.15
green, Alleppey, bgs., afloat lb 2.25 - 2.30
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, bulk, 100 lbs. or more lb 5.50 - —
smaller lots lb 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk, grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. 67½ - —
tins, works gm. .56 - —
dry powder, 3,330 A units per gram lb .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units, per gram lb. 37.50 - —
50,000 A units per gram lb. 7.37 - —
26,000 A units per gram, tins, works milli. units. .22 - —
dms., works milli. units. .20 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .44 - —
Carvol, bots lb. 10.00 -16.00
Cascara sagrada bark, bulk lb. .28 - .30
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½ - —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point lb. .21 - .23½
premium, bgs., 10,000 lbs. or more, ship't point lb. .23 - .24
rennet-precip., bgs., 10,000 lbs. or more, ship't point lb. .28 Nom.
Imp., acid-precip., ground, 100 bgs. or more, ex dock lb. .15 - .15¼

Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼ - —
dm. lots, same basis lb. .24¼ - —
Cassia bark, Batavia, longstick, bls., lb. .27 - .28
broken, bls. lb. .26 - .27
short stick, bls lb. .23 - .24
China, Canton, rolls, select, cs. lb. .13 - .14
broken, bls. lb. .12 - .12½
Honan, rolls, scraped, bls lb. .16 - .16½
broken, bls lb. .15 - .15½
unscraped, bls lb. .15 - .15½
broken, bls lb. .14½ - .15
Yunnan, rolls, scraped, bls lb. .16 - .16½
broken, bls lb. .15 - .15½
unscraped, bls lb. .15 - .15½
broken, bls lb. .14½ - .15
Saigon, broken, bls lb. .28 - .33
medium, bls lb. .38 - .39
thin, bls lb. .44 - .45
Buds, China, bgs lb. .20 - .22
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long tons. 111.00 -112.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 27.50 - —
Castoreum, nat., cns lb 12.00 -45.00
synthetic, cns lb 24.00 - —
Catechol, CP, cryst., fib. dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls lb. .50 - .55
Celery seed, French, bgs lb. .27 - .28
Indian, bgs lb. .24½ - .25
futures, bgs lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .33 - .36
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51

Cellulose acetate, flake, regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works, lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —

Calcium Carbonate—Charcoal, Willow

Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100-lb. lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02½ - .05¼
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton 40.00 - —
papermakers, ngs., c.l., works. ton 32.50 -40.00
rubber makers, bgs., c.l., works. ton 30.00 - —
Chamomile flowers, Hungarian, cs. lb. .45 - .48
Roman, bls lb. .95 - 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26¼ - .32¼
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton 49.80 - —
bgs., c.l., works ton 51.80 - —
granular, bgs., incl., c.l., works. ton 46.80 -59.00
lump, bulk, c.l., works ton 38.80 -43.50
ngs., extra, returnable, c.l., works ton 41.80 -45.50
Pinewood, gran., powd., ogs., c.l., works, South ton 30.00 -40.00
l.c.l., works ton 40.00 -50.00
lump bgs., c.l., works, South ton 35.00 - —
bulk, c.l., works, South ton 23.50 - —
bgs., l.c.l., works, South ton 40.00 -50.00
Willow, powd., bbls lb. .06 - .07

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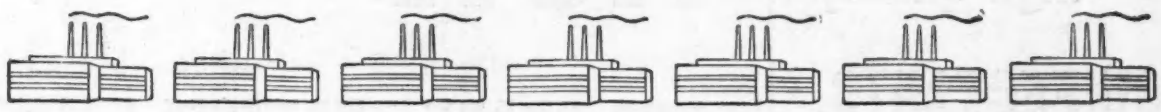

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Chestnut Extract—Cyanamide

Chestnut extract, 25% tannin, bbls., c.l., works lb. .0370- —
l.c.l., works lb. .04 - —
tanks, works lb. .0285- .03
powd., 65% tannin, bgs., extra, c.l., works lb. .1040- —
l.c.l., works lb. .1110- .1125
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10 00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., bgs., c.l., ex dock. net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlordane, agricultural, dms., l.c.l., stock points lb. .82 - 1.05
refined, dms., stock points lb. .97 - 1.20
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, etns., c.l., works lb. .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald. 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald. 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 4.00 - 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
8-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 2.90 - 3.00
Dihydrogen citrate, fib. dms., works. lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs. lb. .06 - .08½
8½%, bbls., cs. lb. No stocks
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls. lb. .49 - —
Trioxide, USP, bots. lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.63 - 9.24
Cinchona bark, NF, red, quill, 20-inch, cs. lb. 1.36 Nom.
broken, bgs. lb. .40 - .45
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs. oz. .71 - —
Sulphate, cns., 100 ozs. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs. oz. .60 - —
small cryst., cns., 100 ozs. oz. .65 - —
Sulphate, NF, cns., 100 ozs. oz. .42 - —
Cinchophen, NF, heavy, dms., works. lb. 3.70 - 4.05
Standard, dms., works lb. 3.50 - 3.85
Cinchophen-sodium, standard, dms., works lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms. lb. .83 - .90
Cinnamon, Ceylon, No. 2, bls. lb. .21½- .22
Citral, bots., cns. lb. 3.60 - 5.05
Citronellal, bots., dms. lb. 2.50 - 4.75
Citronellol, bots., dms. lb. 2.95 - 4.75
Civet, bots. oz. 4.00 - 5.00
artificial, bots. lb.15.00 - —
Clove, Madagascar, bls. lb. .19½- .20
futures, bls. lb. No offering
Zanzibar, bls. lb. .19½- .20
futures lb. .19 - .19½
Clover tops, red, dom., bgs. lb. .55 - .65
imported, bgs. lb. No stocks
CMC, purified, high vis., etns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
low and medium vis., etns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23¼- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
Coaltar, coal-gas, water-gas, refd., resale, bbls., c.l., ex-whse. refd., resale, bbls., c.l., ex-whse. gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs. lb. 1.65 - —
Chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs. lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs. lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .86½- —
8% Co, dms lb. 62½- —
Metal, 97-99%, kgs., ex-whse lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms. lb. .37¼ —
Nitrate, feed grade, 20.4% Co, bbls. lb. .73¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz. oz.15.00 - —
Hydrochloride, cns., 100-oz. lots. oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocculana bark, bgs lb. .16 - .17
Cocoa butter, bgs. lb. .52 - .52½
Codeine, NF, cns., 100 ozs. oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs. oz.10.25 - —
Sulphate, USP, cns., 100 ozs. oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz.86.00 -96.00
Colchicum root, bls lb. .60 - .70
Seed, bgs lb. 2.25 - 2.50
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls lb. .30 - .35
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .18 - .20
Copaiba balsam, cns., dms lb. .58 - .60
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb. .1860- .2575
Chloride, anhyd., bbls., works lb. .25½- —
crystals, bbls., works lb. .17¾- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .46½- —
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd. E. Miss lb. .24¾- .25¼
Metal, electrolytic, dlvd lb. .18½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¼- —
Nitrate, tech., cryst., bbls., works. lb. .22¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .25⅞- .28⅞
red, com'l, bbls., works lb. .26⅛- .30⅝
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Quinolate, fib, dms. lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .23¼- —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - 7.25
l.c.l. 100 lbs. 7.25 - 8.25
CP, cryst., gran., dms., works. lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs.11.90 -13.00
tribasic, dealers, bgs., c.l., works lb. .1815- .2245
l.c.l., works lb. .2050- .2345
USP, gran., cryst., dms lb. .10 - .20
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports. ton.182.50 - —
Pacific ports ton.177.50 -180.00
Coriander seed, Argentine, bgs. lb. .08 - .08½
Italian, bgs lb. .07 Nom.
Moroccan, bgs. lb. .09 - .09½
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.59 - —
bbls., c.l., same basis 100 lbs. 5.65 - —
Syrup, 42°, bbls., c.l. 100 lbs. 5.97 - —
l.c.l. 100 lbs. 6.12 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .25 - .30
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills ton.65.00 -66.00
Coumarin, cns., 25 lb lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.00 - 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .27½- —
smaller lots lb. .28 - .29
Imported, kgs. lb. .22 - .24
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 - .18
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works. gal. .20 - —
NF, beechwood, bots, cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .35
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresol, tech., dry, above 207°C. non-non-ret. dms., c.l. frt. equald. lb. .1255- —
l.c.l. same basis lb. .1285- —
ret.-dms., c.l., same basis. lb. .1225- —
l.c.l. same basis lb. .1255- —
tanks, same basis lb. .1125- —
USP, non-ret., dms., c.l., same basis lb. .1280- —
l.c.l., same basis lb. .1310- —
ret., dms., c.l., same basis lb. .1250- —
l.c.l., same basis lb. .1280- —
tanks, same basis lb. .1150- —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.12.75 - —
bbls., l.c.l., works 100 lbs.13.75 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs. lb. .35 - .45
powd., cs. lb. .45 - .55
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Morocco, bgs lb. .15½- .16
Persian, bgs lb. .15½- .16
Syrian, bgs. lb. .16 - .16½
Cutch, exract, 55% tannin, bgs., ex dock lb. .07 - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.55 - —

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Cyclohexane, tech., dms., c.l., works, lb. .09½- .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works, lb. .21½ —
l.c.l., works lb. .22 - —
tanks, works lb. 20 —
Cyclohexanone, tech., dms., c.l., works lb. 26½- .30
l.c.l., works lb .27 .31
tanks, works lb .25 .29
Cyclohexylamine, dms., works lb. .34 —
Cyclopropane, USP 2 lb. cyls, works, cyl.40.00 —
6 oz. cyls., works cyl.10.50 —
Hospitals, cyls., 40 gal. lots gal. .32 —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

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2, 4-D, bbls., c.l., works, frt. equald, lb. .43 - —
l.c.l., same basis lb. .48 - .55
Isopropyl ester, dms., c.l., works, lb. .49 - —
l.c.l., works lb. .54 - .61
Damiana leaves, bls lb. .40 45
Dandelion root, bls lb. .35 40
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 —
l.c.l., works lb. .51½- —
lump, fib dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works lb. .32 —
smaller lots, works lb. .33 .34
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb .32 —
Deertongue leaves, bls lb. .30 .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½ %P, paper bgs., works ton.45.00 —
Degras, common, bbls lb. .11 .12
Neutral, less 2% ffa., bbls lb. .22 - .23
over 2% ffa., bbls lb. .21 - .22
Derris root, 5% rotenone, powd lb. .33 Nnm
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.00 - —
Chicago 100 lbs. 6.35 - —
l.c.l. 100 lbs. 7.15 - —
canary, paper bgs., c.l. 100 lbs. 6.74 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.89 - —
dark, paper bgs., c.l. 100 lbs. 6.84 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.99 - —
white, paper bgs., c.l. 100 lbs. 6.59 - —
Chicago 100 lbs. 5.94 - —
l.c.l. 100 lbs. 6.74 - —
Corn dextrin in bgs., 17c. per 100 lbs. higher.
Potato, bgs lb. .11¼- .11¾
Tapioca, pure, envelope, bgs lb. .16 - .16½
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.00 5.55
laboratory grade, bots .100 grams. 4.50 —
tech., bots., works lb. 3.00 —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. .35½- —
l.c.l., dlvd. E lb. .36½- —
tanks, dlvd. E lb. .34 —
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 —
purified, bgs., c.l., Atl. coast ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .66½- —
l.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½- —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31½- —
tanks, dlvd lb. .29 - —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
tanks, works lb. .49½- —
Tartrate, dms., works, frt. alld lb. .92 1.02
Dibutylamine, dms., c.l., frt. alld lb. .51½- .52½
l.c.l., frt. alld lb. .52½- .53⅛
tanks, frt. alld lb. .49 .50
Dicapryl sebacate, dms., c.l., works, lb. .54½ —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .45 - —
l.c.l., dlvd lb. .49 - .52½
tanks, dlvd lb. .43½- —
Oxalate, dms., c.l., frt. alld lb. .34½- .35½
l.c.l., same basis lb. .35½- .36½
tanks, same basis lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½ .26
Sulphate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½- —
tanks, works lb. .14½- —
Diethylamine, dms., c.l., frt. alld lb. .57 - —
l.c.l., works lb. .57½- —
tanks, works lb. .55½- —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld, E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works lb. .40 —
Monobutylether, dms., c.l., works, lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works, lb. .18 - —
l.c.l., works lb. .18½- —
tanks works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —

Dimethyl phthalate, dms., c.l., dlvd, lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .69½- —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16¼ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 .38
l.c.l., works, basis 100% lb. .38 .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dimethylethanolamine, dms., c.l., works lb. 1.59 - —
l.c.l., works lb. 1.60 - —
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, crude, bbls lb. .16 —
Dinitrochlorobenzene, 47%, m.p., c.l., dms lb. .13½ .14
l.c.l. lb. .14 - —
tanks lb. .13¼- —
Dinitrophenol, bbls. lb. .26 - —
Dinitrotoluene, oily, dms lb .07 - .09
refd., dms. lb. .21 - —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl phthalate, dms., c.l. frt. alld lb. .41¼ —
l.c.l., frt. alld lb. .42½- —
tanks, frt. alld lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 —
smaller lots, dlvd lb. .50 - —

Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, South gal. .36 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns. dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 3.70
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton.64.00 - —

A page from the Stauffer Catalog

NUMBER THIRTEEN IN A SERIES

ROCHELLE SALT

Other Names . . . . . Seignette Salt, Potassium-Sodium Tartrate, Sodium Potassium Tartrate.

Formula . . . . . $KNaC_4H_4O_6 . 4H_2O$ or $C_2H_2(OH_2)\ COONa . COOK . 4H_2O$.

Properties . . . . . Odorless, colorless, transparent, rhombic prisms. It has a cooling, saline taste, and the crystals effloresce slightly in dry air. Sp. Gr. 1.79. Melting Point 70°-80° C. or 158°-176° F. Loses water of crystallization ($4H_2O$) at 140° C. or 284° F. Very soluble in water.

Grades . . . . . U.S.P. Snowhite Powder; Snowhite Granular.

Analysis (Typical) . . Potassium Sodium Tartrate (after dehydration) Minimum 99.0%
Heavy Metals . . . . . 3 to 5 parts per million, as lead
Ammonia . . . . . Negative

Alkaline to Litmus, but neutral to phenolphthalein.

Meets all requirements of the United States Pharmacopoeia XII official from November 1, 1942.

Principal Uses . . . . Manufacture of Seidlitz powders, and pharmaceutical preparations. In medicine as a mild saline purgative. It is used as an electroplating reagent, silvering mirrors, in tanning, in Schnitzler's Green and as a laboratory reagent.

Packing . . . . . Drums, 250 lbs. net (approx. 264 lbs. gross)
Kegs, 100 lbs. net (approx. 112 lbs. gross)

Shipping Regulations. None.

Stocks . . . . . San Francisco, Calif., and New York, N. Y.

STAUFFER PRODUCTS

BHC (Benzene Hexachloride)
Borax
Boric Acid
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chlordane
Chlorine
Citric Acid
DDT (Dichloro Diphenyl Trichloroethane)
Silicon Tetrachloride
Sodium Hydrosulphide
Sulphur (Specially processed for all industrial uses)
Sulphur Chloride
Sulphuric Acid
Tartaric Acid
Textile Stripper
Titanium Tetrachloride
Toxaphene (Chlorinated Camphene)
2, 4-D (Acid, Isopropyl Ester, Amine Salts)

Stauffer CHEMICALS SINCE 1885

STAUFFER CHEMICAL CO.

420 Lexington Avenue, New York 17, N. Y. • 221 North LaSalle Street, Chicago 1, Illinois
824 Wilshire Boulevard, Los Angeles 14, Cal. • 636 California Street, San Francisco 8, Cal.
424 Ohio Bldg., Akron 8, O. • Apopka, Fla. • N. Portland, Ore. • Houston 2, Tex. • Weslaco, Tex.

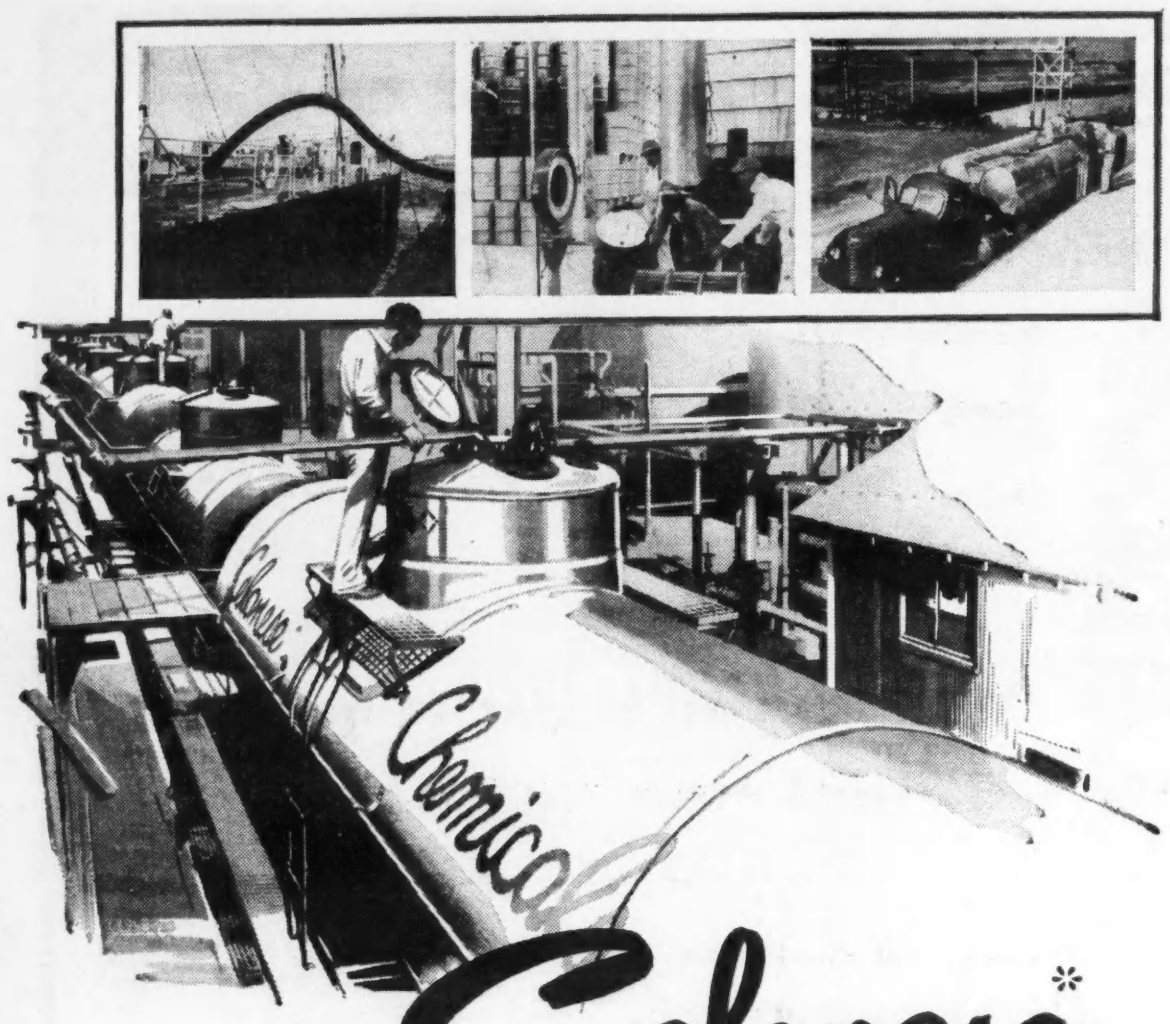
Divinylbenzene—Ethyl Acetoacetate

Divinylbenzene, 18%, dms., c.l., works	lb.	.25	—
l.c.l., works	lb.	.26	—
tanks, works	lb.	.24	—
40%, dms., c.l., works	lb.	.55	—
l.c.l., works	lb	60	65
Dodecyltoluene, dms., c.l., works	lb.	.14	—
l.c.l., works	lb.	.15	—
tanks, works	lb	.13	—
Doggrass root, dom., cut, bls	lb.	.20	.24
imp., NF, cut, bls	lb.	.25	.30
Dogwood bark, Jamaica	lb.	.10	.14
Dragon's blood, drops, cs	lb.	.45	.47
mass, cs	lb.	1.10	1.25
reeds, cs	lb.	1.75	2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb and 1-lb. lots:—			
Blue, FD&C, No. 1, cns.	lb.	17.00	-17.60
No. 2, cns.	lb.	17.00	-17.60
Green, FD&C, No. 1, cns.	lb.	17.00	-17.60
No. 2, cns.	lb.	22.20	-22.85
No. 3, cns.	lb.	35.25	-35.90
Orange, FD&C, No. 1, cns.	lb.	3.65	3.75
No. 2, cns.	lb.	4.55	4.75
Red, FD&C, No. 1, cns.	lb.	7.55	7.85
No. 2, cns.	lb.	4.00	4.10
No. 3, cns.	lb.	22.20	-22.85
No. 4, cns.	lb.	7.20	7.50
No. 32, cns.	lb.	5.30	5.40
Yellow, FD&C, No. 1, cns.	lb.	10.50	-11.05
No. 3, cns.	lb.	3.30	3.40
No. 4, cns.	lb.	3.30	3.40
No. 5, cns.	lb.	4.00	4.10
No. 6, cns.	lb.	4.00	4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—			
Black, D&C, No. 1, cns.	lb.	10.95	—
Blue, D&C, No. 4, cns.	lb.	13.55	—
Brown, D&C, No. 1, cns.	lb.	16.10	—
Green, D&C, No. 5, cns.	lb.	16.10	—
No. 6, cns.	lb.	16.10	—
No. 7, cns.	lb.	14.80	—
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—			
Orange, D&C, No. 3, cns.	lb.	10.95	—
No. 4, cns.	lb.	20.05	—
No. 5, cns.	lb.	5.70	—
No. 10, cns.	lb.	20.70	—
Red, D&C, No. 8, cns.	lb.	3.75	—
No. 9, cns.	lb.	3.75	—
No. 10, cns.	lb.	3.00	—
No. 11, cns.	lb.	2.25	—
No. 12, cns.	lb.	3.00	—
No. 17, cns.	lb.	10.95	—
No. 18, cns.	lb.	24.00	—
No. 21, cns.	lb.	4.70	—
No. 22, cns.	lb.	10.95	—
No. 28, cns.	lb.	24.65	—
No. 33, cns.	lb.	17 45	—
Violet, D&C, No. 1, cns.	lb.	16.10	—
No. 2, cns.	lb.	16.10	—
Yellow, D&C, No. 7, cns.	lb.	10.95	—
No. 8, cns.	lb.	10.95	—
No. 10, cns.	lb.	13.50	—
No. 11, cns.	lb.	13.50	—
No. 22, cns.	lb.	9.15	—
No. 33, cns.	lb.	14.65	—
No. 37, cns.	lb	13.55	—
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots:—			
Green, Ext. D&C, No. 1, cns.	lb.	16.10	—
Red, Ext. D&C, No. 1, cns.	lb.	13.50	—
Yellow, Ext. D&C, No. 1, cns.	lb.	10.95	—
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).			
20 Chrysodine G.	lb.	.59	—
27 Orange G.	lb.	71	—
31 Amido naphthol red G.	lb.	.59	—
36 Alizarine yellow 2G	lb.	.76	—
40 Alizarine yellow R	lb.	.97	—
57 Amido naphthol red 6B	lb.	.90	—
79 Ponceau R	lb.	.68	—
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).			
151 Orange II	lb.	.44	—
165 Red lake C	lb.	1.05	—
176 Red lake A	lb.	.80	—
179 Azo rubine	lb.	.93	—
180 Diamond blue 3B	lb.	.84	—
185 Cochineal red A	lb.	.85	—
202 Chrome blue black R	lb.	.62	—
203 Chrome black T	lb.	.72	—
208 Sulphon acid blue R	lb.	.83	—
216 Acid alizarin red B	lb.	.77	—
234 Resorcin brown	lb.	.82	—
246 Naphthol blue black	lb.	.78	—
278 Benzo fast red SBL	lb.	2.74	—
289 Sulphon cyanine 5R extra	lb.	1.00	—
299 Diamond black F	lb.	1.78	—
304 Nerol 2B	lb.	1.84	—
326 Benzo fast orange S	lb.	1.45	—
332 Bismarck brown R	lb.	.78	—
365 Chrysophenine	lb.	2.14	—
382 Diamine black BH	lb.	1.51	—
401 Diamine black BH	lb.	.58	—
406 Benzo blue 2B conc	lb.	.98	—
419 Diamine fast red F	lb.	1.05	—
420 Diamine brown M	lb.	.82	—
448 Benzo purpurine 4B	lb.	1.08	—
518 Diamine sky blue FF	lb.	1.48	—
561 Trisulphon brown B	lb.	1.78	—
581 Direct deep black EW extra	lb.	.81	—
593 Diamine green B	lb.	.60	—
598 Congo brown G	lb.	1.20	—
620 Sun yellow	lb.	.84	—
639 Xylene light yellow	lb.	1.77	—
640 Tartrazine	lb.	1.34	—
655 Auramine	lb.	1.69	—
657 Malachite green	lb.	1.93	—
662 Brilliant green	lb.	2.55	—
667 Brilliant milling green B	lb.	3.27	—
671 Glaucine	lb.	1.54	—
680 Methyl violet B	lb.	.95	—
681 Crystal violet	lb.	1.91	—
698 Formyl violet S4B	lb.	1.51	—
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).			
720 Chrome azurol B	lb.	3.60	—
729 Victoria blue B	lb.	2.48	- 2.68
737 Wool green S	lb.	2.14	—
749 Rhodamine B	lb.	3.85	—
814 Chloramine yellow	lb.	2.76	—
841 Safranine	lb.	2.58	—
865 Nigrosine WSJ 78	lb.	.56	—
922 Methylene blue GXX	lb.	1.28	—
969 Hydron blue R	lb.	72	—
978 Sulphur black T extra	lb.	.28½	—
1027 Alizarin VI	lb.	64	—
1034 Alizarin red S	lb.	2.30	—
1054 Alizarin saphiro B	lb.	2.59	—
1078 Alizarin cyanine green	lb.	2.61	—
1085 Alizarin blue black B	lb	2.13	—
1096 Indanthrene golden orange G, single paste	lb	1.96	—
double paste	lb.	3.92	—
1099 Indanthrene dark blue BO, single paste	lb.	1.72	—
1101 Caledon jade green	lb.	2.32	—
1106 Indanthrene blue RS, double paste	lb.	2.52	—
1113 Indanthrene blue GCD, double paste	lb.	1.72	—
1150 Indanthrene olive R, single paste	lb.	1.08	—
1151 Indanthrene brown R, single paste	lb.	1.65	—
double paste	lb.	3.29	—
1212 Indanthrene red violet RH, single paste	lb.	1.54	—
1217 Helindon orange R, single paste	lb.	1.57	—
p-4 Acid anthracine brown P.G.	lb.	2.48	—
p-14 Anthracene chromate brown EB	lb.	1.25	—
p-24 Benzo fast black L	lb.	1.94	—
p-80 Diazo brilliant scarlet ROA	lb.	2.55	—
p-202 Zambesi black V	lb.	.97	—
p-244 Celliton scarlet B	lb.	1.25	—
p-313 Naphthol AS-SW	lb.	2.74	—
Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.			
Black, blue, No. 550	lb.	72	—
Jet, No. 551	lb.	.79	—
Brown, R, conc	lb.	1.44	—
Orange R, brilliant	lb.	.80	—
Red 4 B, conc	lb.	1.22	—
Yellow, C	lb.	1.05	—
VN, conc	lb.	1.08	—
Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works,			
Auramine, O	lb.	1.66	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.08	—
Blue, methylene, 2 B, conc	lb.	1.44	—
Brown, Bismarck, R, conc	lb.	78	—
Chrysodine, R, extra	lb.	.54	—
Y extra	lb.	.58	—
Fuchsine, conc	lb.	2.34	—
Green, malachite, conc	lb.	1.80	—
Rhodamine, B	lb.	3.97	—
Safranine, Y, conc	lb.	2.66	—
Violet, methyl, B	lb.	1.08	—
Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.			
Black, acid blue, B, extra	lb.	76	—
Orange, acid, Y, conc	lb.	.43	—
Rhodamine, azo- R, extra, conc.			
Rhodamine, R, extra, conc	lb.	3.97	—
Scarlet, croceine, MOO	lb.	1.33	—
Yellow, azo-, conc	lb.	.32	—
Fast light, 3 G, extra	lb.	1.99	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.35	- 1.45
tanners, bbls	lb.	.06½	.07
Elder flowers, bright, bls	lb.	.40	.50
Elecampane root, bls	lb.	.22	.25
Elm bark, grinding, bls	lb.	.30	.35
powd., bbls., bxs	lb.	.40	.45
select, bndls	lb.	.55	.60
Emetine hydrochloride, USP, bots	oz.	38.75	-42.00
Ephedra herb, bls	lb.	.25	.32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36½	—
l.c.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots	gram.	.45	.50
Epsom salt, tech., bgs., c.l., works.	100 lbs.	2.15	—
l.c.l., works	100 lbs.	2.90	- 3.15
USP, cryst., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	—
smaller lots	100 lbs.	3.35	—
Ergot, NF, dms., tin-lined	lb.	3.50	Nom.
Eserine, bots.	oz.	45.0	-50.00
Salicylate, USP, bots	oz.	50.00	-51.00
Sulphate, bots.	oz.	35.00	-36.00
Ether, acetate (see Ethyl acetate).			
Butyl, dms., c.l., dlvd	lb.	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks, dlvd	lb.	.29	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works.	lb.,	16½	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc, hospitals	bot.	1.56	—
Ethyl, absolute, ACS, dms	lb.	.30	—
anesthesia, USP, hospital, cns.	lb.	.75	.90
Industrial, USP, dms., c.l., dlvd.	lb.	.10½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.08½	—
synthetic, dms., incl., dlvd. East	lb.	.10½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.08½	—
Isopropyl, dms., c.l., dlvd	lb.	.06	—
l.c.l., dlvd	lb.	.06½	—
tanks, dlvd	lb.	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.10½	—
l.c.l., frt. alld	lb.	.11½	—
tanks, frt. alld	lb.	.09	—
95-98%, dms., c.l., frt. alld.	lb.	.10¾	—
l.c.l., frt. alld	lb.	.11¾	—
tanks, frt. alld	lb.	.09¼	—
99%, dms., c.l., frt. alld.	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb	.09¼	—
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.10½	—
l.c.l., frt. alld	lb.	.11½	—
tanks, frt. alld	lb.	.09	—
95-98%, dms., c.l., frt. alld.	lb.	.10¾	—
l.c.l., frt. alld	lb.	.11¾	—
tanks, frt. alld	lb.	.09¼	—
99%, dms., c.l., frt. alld	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb.	.09	—
Acetoacetate, dms., c.l., dlvd.	lb.	.47½	—
l.c.l., dlvd.	lb.	48½	—
tanks, dlvd.	lb	46	—



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FORMALDEHYDE
PARAFORMALDEHYDE
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ACETALDEHYDE
ACETONE
METHANOL
n-PROPANOL
PROPIONALDEHYDE
METHYLAL
PROPYLENE GLYCOL
ISOBUTANOL
TRICRESYL PHOSPHATE
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DISTRICT OFFICES: BOSTON CHICAGO DETROIT SAN FRANCISCO • PLANTS: BISHOP, TEXAS NEWARK, N.J.

Ethyl Benzoate, dms.	lb.	.63	- —
Betaethoxypropionate dms. works	lb.	.70	- —
Bromide, tech., 98%, dms.	lb.	.39	- .41
Butyrate, bots.	gal.	4.75	- —
cns., works	lb.	.65	- .70
dms., works	lb.	.60	- —
Carbamate (see Urethane).			
Chloride, tech., tanks, frt. alld. East	lb.	.13¼	- —
USP, bbls., cyl.	lb.	.20	- .22
Cinnamate, cns.	lb.	2.30	- 3.60
Formate, dms.	lb.	.35	- —
Iodide, bots.	lb.	4.08	- 4.27
Lactate, dms., works	lb.	.41	- —
Methylcrylate, M-2, dms., works.	lb.	.60	- —
cns., works	lb.	.63	- .67
P-2, cns., works	l.b	.65	- —
Myristate, dms., works	lb.	No prices.	
Nitrite (see Ether, nitrous).			
Oenanthate, dms.	lb.	1.00	- 2.00
Oleate, dms., l.c.l., works	lb.	.53	- —
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO_2, dms., works.	lb.	.53	- —
Ethylaliphanaphthylamine, dms.	lb.	.80	- —
Ethylanilin, dms	lb.	.60	- —
Ethylbenzene, dms., c.l.	lb.	.14	- —
l.c.l.	lb.	.15	- —
tanks	lb.	.13	- —
Ethylcellulose, 6b dms., 5,000 lbs., works	lb.	.52	- —
smaller lots, works	lb.	54	.62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09½	- —
W. of Rockies	lb.	.10½	- —
l.c.l., works, frt. alld., E. of Rockies	lb.	.10½	- —
W of Rockies	lb.	.11½	- —
tanks, frt. alld., E. Rockies	lb.	.03	- —
W. of Rockies	lb.	.09	- —
Oxide, cyls., c.l., works	lb.	.23¾	- .25
l.c.l., works	lb.	.24¼	- 26
tanks, works and frt. equald. or alld	lb.	.15¾	16¾
Trichloride (see Trichloroethane)			
Ethylenediamine, dms., c.l., works.	lb.	.42	- —
l.c.l., works	lb.	.42½	- —
tanks, works	lb.	.40	- —
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.16	- —
l.c.l., same basis	lb.	.17	- —
tanks, same basis	lb.	.14½	- —
Diethylether, dms., l.c.l., works	lb.	.50	- —
Monobutylether, dms., c.l., works.	lb.	.21½	- —
l.c.l., works	lb.	.22	- —
tanks, works	lb.	.20	- —
Monoethylether, dms., c.l., works.	lb.	.18	- —
l.c.l., works	lb.	.18½	- —
tanks, works	lb.	.16½	- —
Monoethylether acetate, dms., c.l., works.	lb.	.16½	- —
l.c.l., works	lb.	.17	- —
tanks, works	lb.	.15	- —
Monomethylether, d m s., c.l., works	lb.	.19½	- —
l.c.l., works	lb.	.20	- —
tanks, works	lb.	.18	- —
Monomethylether acetate, dms., c.l., works	lb.	.24½	- —
l.c.l., works	lb.	.25	- —
tanks, works	lb.	.23	- —
Monostearate, dms	lb.	.38	- .40
Ethylethanolamines, mixed, dms., c.l., works	lb.	.32	- —
l.c.l., works	lb.	.33	- —
Ethylmorphine hydrochloride, USP, bots	oz.	1.85	- —
Ethylorthotoluidine, bbls.	lb.	.80	- —
Ethylvanillin, cns., 3 lbs. or more	lb.	6.75	- —
smaller lots	lb.	6.80	- 6.90
Eucalyptol, USP, cns., dms.	lb.	1.75	- 2.05
Eucalyptus leaves, bls.	lb.	.10	- .14
Eugenol, prime, USP.	lb.	2.05	- 2.75
Euphorbia, pil., herb., bls.	lb.	.18	- .20

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	-22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	-12.50
Pottery, bgs., 2 ton lots, works.	ton.	20.00	-22.00
bulk, c.l., works	ton.	18.00	-20.00
Fennel seed, Argentine, bgs.	lb.	.16	.16½
French, bgs.	lb.	.12	Nom.
Indian, bgs.	lb.	.12	- .12½
Fenugreek, domestic, bgs.	lb.	No stocks.	
Indian, bgs.	lb.	.11	- .11½
futures, bgs.	lb.	.11	- .11½
Moroccan, bgs.	lb.	.07	- .07½
Ferric-ammonium citrate (see iron-ammonium citrate).			
Ferric cacodylate (see iron cacodylate).			
Ferric glycerophosphate (see iron glycerophosphate).			
Ferric hypophosphite (see Iron hypophosphite).			
Ferric sulphate (see Iron sulphate, ferric).			
Film scrap, colored, cs., works	lb.	.11	- —
water-white, cs., works	lb.	.13	- —
Fir balsam, Canada, cns.	gal.	28.00	-32.50
Oregon, bbls.	gal.	2.35	- 2.60
Fishberries, bgs.	lb.	.20	.25
Fishliver oil (see Oil, fishliver)			
Fishmeal, ground, 60% protein, bgs., Balto. area	ton.	170.00	- —
Fishscrap, dried, 60% protein, bulk, Balto area	ton.	160.00	- —
Fleaseed (see Psyllium seed).			
Fringetree bark, bls.	lb.	.42	- .45
Fluorspar, acid grade, bgs., c.l.,			
Fluorspar, acid grade, bgs., mines.	ton.	47.50	- —
l.c.l., mines	ton.	49.50	- —
bulk, contract, c.l., mines	ton.	42.00	- —
noncontract, c.l., mines	ton.	45.00	- —
l.c.l., mines	ton.	47.00	- —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines, net	ton.	39.00	-41.00
powd., 90-92%	ton.	41.00	- —
foundry grade, lump, 55-60%,	ton.	34.00	- —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	35.00	-37.00
65%, bulk, c.l., mines	ton.	34.00	-36.00
60%, bulk, c.l., mines	ton.	33.00	-35.00
less than 60%, bulk, c.l., mines.	ton.	32.00	-34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works	lb.	.0570	- —
l.c.l., E. works	lb.	.0620	- —
tanks, E. works	lb.	.0370	- —
methanol-free (uninhibited), tanks, works	lb.	.0350	- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines	ton.	30.00	- —
Tex., mines	ton.	27.00	- —
spent, bulk, Bayonne	ton.	2.00	4.00
imp., bgs., c.l.	ton.	30.00	-40.00
Furfural, tech., dms., c.l., works	lb.	.12	- —
l.c.l., works	lb.	.14	- —
tanks, works	lb.	.09½	- —
Fusel oil, refined, dms., c.l., dlvd.	lb.	.21½	- —
l.c.l., dlvd.	lb.	.23½	- —
tanks, dlvd.	lb.	.20	- —
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.42½	- —
No. 1A, bbls., l.c.l.	lb.	.41½	- —
No. 2, bbls., l.c.l.	lb.	.40½	- —
No. 3, bbls., l.c.l.	lb.	.38½	- —
liquid, No. 0, bbls., l.c.l.	lb.	.22	- —
No. 1, bbls., l.c.l.	lb.	.20½	- —
No. 2, bbls., l.c.l.	lb.	.19½	- —
No. 3, bbls., l.c.l.	lb.	.17	- —
solid, No. 1, bxs., l.c.l.	lb.	.23	- —

G

G salt, bbls.	lb.	.59	- .60
Galangal root, bls.	lb.	.20	- .21
Gambier, plantation, bgs., ex dock.	lb.	No stocks.	
Extract, bbls		No stocks.	
Gammapicoline, 95%, dms., c.l., works	lb.	1.00	1.03
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks	gal.	.10125	- —
Bayonne, 83 octane, tanks	gal.	.1120	- —
Gulf coast, 80 octane, tanks	gal.	.10	- .11
Group 3, 80 octane, tanks	gal.	.0975	- .10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks	gal.	.12	- —
natural, 26-70 octane, group 3, tanks	gal.	.05875	- —
Gelatin, silver label, imported, cs	lb.	1.15	- —
Gelsemium root, bls	lb.	.25	.30
Gentian root, bls	lb.	.13	.17
grd., bbls., bxs	lb.	.17	.18
powd., bbls., bxs	lb.	.18	.21
Gentistic acid ethanilamide, dms., works	lb.	10.00	- —
Geraniol, extra, cns., dms.	lb.	2.50	- 2.75
prime	lb.	2.20	2.40
Geranyl acetate, cns.	lb.	2.65	- 3.90
Ginger, oleoresin, bots.	lb.	7.40	-11.80
Root, African, bls.	lb.	.42	- .43
Cochin, bleached, bgs.	lb.	No stocks.	
unbleached, bgs	lb.	.20	Nom.
Jamaica, No. 1, bgs.	lb.	.47	- .48
No. 2, bgs.	lb.	.46	- .47
No. 3, bgs.	lb.	.45	- .46
Rhattoon, bgs.	lb.	.39½	Nom.
Ginseng root, cs	lb.	12.00	-16.00
Glauber's salt, anhyd. (see Sodium sulphate).			
cryst., bgs., c.l., works 100 lbs.		2.00	- —
l.c.l. bxs., works 100 lbs.		2.25	- 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lb.	.17	- —
65 jellygrams, bgs., c.l., same basis	lb.	.18½	- —
80 jellygrams, bgs., c.l., same basis	lb.	.20	- —
110 jellygrams, bgs., c.l., same basis	lb.	.21	- —
130 jellygrams, bgs., c.l., same basis	lb.	.22	- —
Over 150 jellygrams, bgs., c.l., same basis	lb.	.24	- —
Bone glue, l.c.l., 1c. per lb. higher than c.l.			
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd.	lb.	.18	- —
l.c.l., same basis	lb.	.20	- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd	lb.	.22	- .23
122-149, bgs., c.l., dlvd	lb.	.23	- .26
150-177, bgs., c.l., dlvd	lb.	.24	- .27
178-206, bgs., c.l., dlvd	lb.	.25	- .29
207-236, bgs., c.l., dlvd	lb.	.26	- .30
237-266, bgs., c.l., dlvd	lb.	.27	- .31
267-296, bgs., c.l., dlvd	lb.	.28	- .32
299-330 bgs., c.l., dlvd	lb.	.29	- .33
Glue, hide, 331-362, bgs., c.l., dlvd.	lb.	.30	- .32
363-394, bgs., c.l., dlvd	lb.	.31	- .34
393-427, bgs., c.l., dlvd	lb.	.32	- .35
428-460, bgs., c.l., dlvd	lb.	.33	- .36½
461-494, bgs., c.l., dlvd	lb.	.34	- .38
495-529, bgs., c.l., dlvd	lb.	.35	- .39

Hide glue, l.c.l., prices 1c. higher than c.l. bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd	lb.	.16¾	- .18¾
soaplye, 80%, tanks, dlvd.	lb.	.15¼	- .16½
dynamite, dms., c.l., dlvd	lb.	.24	- —
l.c.l., dlvd	lb.	.24½	- —
tanks, dlvd	lb.	.23½	- —
high gravity, dms., c.l., dlvd.	lb.	.24¼	- —
l.c.l., dlvd	lb.	.24¾	- —
tanks, dlvd	lb.	.23¾	- —
refined, BP, 93%, dms., c.l., dlvd.	lb.	.25½	- —
l.c.l., dlvd	lb.	.26	- —
tanks, dlvd	lb.	.25	- —
USP, c.p., 95%, dms., c.l., dlvd.	lb.	.24¾	- —
l.c.l., dlvd	lb.	.25¼	- —
tanks, dlvd	lb.	.24¼	- —
yellow, distilled, dms., c.l., dlvd	lb.	.24½	- —
	lb.	.24½	- —
l.c.l., dlvd	lb.	.24½	- —
Glycine USP (see Acid, aminoacetic).			
Glycol boriborate, dms.	lb.	.26	.30
tanks, dlvd.	lb.	.23¾	- —
Glyoxal, 30%, dms., c.l., works	lb.	.17½	- —
l.c.l., works	lb.	.18	- —
tanks, works	lb	.17	- —
Gold chloride, acid-brown, bots.	oz.	22.00	-22.25
acid-yellow, bots	oz.	20.00	-20.25
Gold of pleasure seed, bgs.	lb.	.40	- .41
Goldenseal root, bls.	lb.	3.25	- 3.40
powd. bxs.	lb.	4.25	- 4.50

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ACID MANDELIC	MAGNESIUM TRISILICATE	SODIUM BROMIDE
BISMUTH SUBCARBONATE	PHENOBARBITAL	SODIUM IODIDE
BISMUTH SUBNITRATE	PHENOBARBITAL SODIUM	SODIUM SALICYLATE
CALCIUM GLUCONATE	POTASSIUM BICARBONATE	SULFANILAMIDE
CALCIUM MANDELATE	POTASSIUM BROMIDE	SULFATHIAZOLE

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Gold-Sodium Chloride—Hexalin

Gold-sodium chloride, photo, bots. oz. 13.50 - 14.00
USP IX, bots oz. 14.50 - 15.00
Grains of paradise, bgs lb. .52 - .53
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 85-90%, powd., bgs., ex whse lb. No prices.
80-82% powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
Flake, No. 1, 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2 whse lb. No prices.
Grease, house, loose, dlvd. lb. .04¾- —
White, choice, loose lb. .06¼ Nom.
Wool (see Degras and Lanolin).
Yellow, loose lb. .05 - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 4.50
Tungstic, kgs., works lb. 4.25 4.50
16-20%, bbls., same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis lb. .37 - —
11-15%, bbls., same basis lb. .38 - —
21-25%, bbls., same basis lb. .38¼- —
26-30%, bbls., same basis lb. .38¾- —
31-35%, bbls., same basis lb. .40¾- —
36-40%, bbls., same basis lb. .42½- —
Green, chrome, cp, blue content, 41-45%, bbls., same basis lb. .44 - —
46-50%, bbls., same basis lb. .45¾- —
50% and over, bbls., same basis lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12¾- —
6-10%, bbls., same basis lb. .13½- —
11-13%, bbls., same basis lb. .14 - —
14-16%, bbls., same basis lb. .14¾- —
17-19%, bbls., same basis lb. .15 - —
20-21%, bbls., same basis lb. .15¼- —
22-23%, bbls., same basis lb. .15½- —
24-25%, bbls., same basis lb. .15½- —
26-27%, bbls., same basis lb. .16 - —
28-29%, bbls., same basis lb. .16½- —
30-31%, bbls., same basis lb. .17½- —
32-33%, bbls., same basis lb. .18¾- —
34-35%, bbls., same basis lb. .19¾- —
36-40%, bbls., same basis lb. .22½- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26¼- —
51-55%, bbls., same basis lb. .26 - —
Green, chrome, reduced color, 56-60%, bbls., same basis lb. .26½- —
61-65%, bbls., same basis lb. .27½- —
66-70%, bbls., same basis lb. .26¾- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb .33 .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner bbls., works. lb. 4.40 5.00
Tungstated, brilliant, kgs lb. 3.00 4.00
Emerald, kgs lb. 2.60 —
Verdigris (see V).
Grindella robusta herb, bls lb .24 .30
Guaiac resin, NF, cs lb. 60 .65
ordinary, cs. lb. .49 .51
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., cbys lb. 1.90 1.95
Carbonate, dms lb. 2.95 3.00
Guarana, powd., cs. lb. 1.50 1.75
Gum, accroides (see Gum yacca).
Aloe (see A.)
Ammoniac, tears, cs. lb. .90 .95
Arabic, amber, sorts, bgs lb. .12½- .13
powdered, USP, bbls lb .20½- .21
Asafetida (see A).
Gum asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C)
Copal, Congo, No. 1, bgs lb. .25 - .26
No. 2, bgs lb. .18 - .20
No. 3, bgs lb. .13½- .15
Manila, loba, B, bgs lb. .25 - .27
C, bgs lb. .23 - .24½
CBB, bgs lb. .19 - .20
CNE, bgs lb. .13½- .15
DBB, bgs lb. .16¼- .17½
DK, bgs lb. .13 - .14
dust, bgs lb. .07 - .08
soft, MA, bgs lb. .11 - .13½
WS, bgs lb. .21 - .22
Philippine, pale, chips, bgs lb. .18½- .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs lb. .32 - .35
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .23 - .24
dust, bgs lb. .08½- .09½
E, bgs lb. .13½- .14½
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs lb. .06 - .07
black, bold, bgs lb. .11½- .12½
unscraped, bgs. lb. .09 - .10
nubs and chips, bgs lb. .09 - .10
pale, chips, bgs lb. .12 - .14
nubs, bgs. lb. .20 - .22
Singapore, No. 1, bgs lb. .29 - .32
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .23
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .13 - .13¼
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc. lb. .13 .13½
Euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs lb. 1.15 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .50 - .51
No. 2 lb. .46 - .47
No. 3 lb. .38 - .39
Kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .30 - .32
Mastic, cs. lb. 1.80 - 1.90
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs lb. .12 - .13
tears, cs. lb. .16 .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. 1.25 Nom.
Scammony, cs lb. 1.50 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 2.75 - 3.00
No. 2, cs lb. 2.50 - 2.75
No. 3, cs lb. 1.75 - 2.00
powdered, USP, bbls lb. 1.35 1.45
Yacca, bgs lb. .06 —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river, N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton. 12.50 - —
Blue Rapids, Kans., frt equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt equald ton. 18.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla. frt. equald ton. 8.00 - —
Sweetwater Texas, frt. equald ton 8.00 - —
Terra alba, paper bags., c.l., Harlem River, N. Y. works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs lb. .50 .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .80 .90
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 .32
white, whole, bls. lb. .30 .40
powder, bxs. lb. 35 45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
No. 4, bbls., l.c.l lb. .36½- —
No. 5, bbls., l.c.l lb. .34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .35 .45
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
Group 3, tanks gal. .12½- .13½
Hexalin (see Cyclohexanol).

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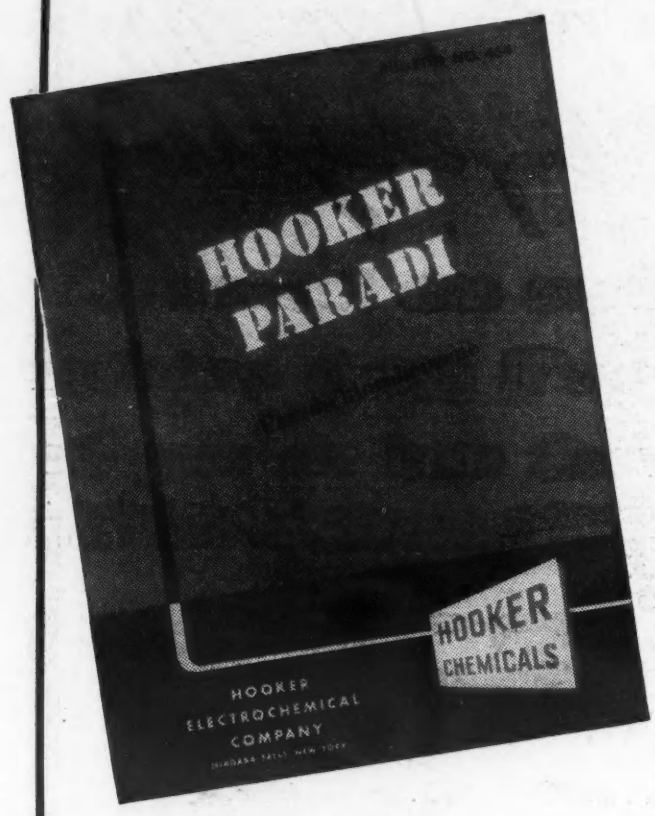

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Hooker Paradichlorobenzene is a crystal clear, high purity product that evaporates completely, leaving no residue and no stains. It is not injurious to fabrics, furs or hides and is not poisonous to human beings.

It is made available in seven graduated sizes from powdered to Pea No. 1 (Screen size through 5/8" on 2½).

TYPICAL PROPERTIES
HOOKER PARADICHLOROBENZENE

Appearance	White to clear transparent
Form	Crystals in 7 sizes
Melting Point	53°C
Boiling Point	173°C
Residue on Sublimation	None
Shipping Containers	25, 50, 100, 200 lb. Fibre Drums

A request on your company letterhead will bring this bulletin to you promptly. Chemists who are interested in other physical and chemical properties should ask for Technical Data Sheet 749.

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Hexamethylenetetramine, tech., bgs., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .22 - —
bbls. lb. .22½- —
smaller lots, bgs., same basis. lb. .24 - —
bbls. lb. .24½- —
USP, dms., 500 lbs., or more, same basis. lb. .38½- —
smaller lots, same basis. lb. .39½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .13½- .14½
Bayonne, N. J., tanks. gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol, dms., c.l., dlvd. lb. .14 - —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12½- —
Hexylresorcinol, USP, 50 lbs. up, frt. alld. lb. 17.00 -19.00
works lb. 17.00 -25.75
smaller lots, frt. alld. lb. 18.00 -19.50
works lb. 18.00 -31.50
Histamine diphosphate, USP, bots. kilo. 500.00 - —
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo. 100.00 -120.00
1-5 kilos, works kilo. 110.00 -130.00
Homatropine hydrobromide, USP, bots. oz. 15.00 -16.00
Hydrochloride, bots oz. 20.00 -22.00
Methylbromide, NF oz. 13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.50 - —
Hops, NF, bls. lb .40 - .45
Horehound, bls. lb. .17 - .19
Hydrangea root, bls. lb. .14 - .17
Hydrastine, bots oz. 53.50 -53.80
Hydrochloride, NF oz. 29.50 -36.00
Sulphate, bots oz. 53.50 -53.80
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans., works lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. .70 - —
Hydroxycitronellal, cns. lb. 5.35 - 7.30
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz. 15.75 -16.00
Hydrobromide, bots. lb. 16.50 -18.00
Sulphate, bots. oz. 13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs. lb. .35 - .40
Ichthammol, F, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots lb. .23 - —
powd., bbls lb. 1.03 - —
Indol, CP, bots lb. 17.00 -19.00
Inositol, tins, dlvd. lb. 4.83 - 5.00
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.52 - 1.729
resubl., USP., bots., jars. lb. 2.30 - 2.46
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 - —
Iodoform, NF, dms., kgs lb. 4.45 - 4.60
Ionone, alpha, cns lb. 4.40 -12.30
beta, cns lb. 7.05 - 6.50
Methyl (see M).
IPC, bots., 1-5 lbs. lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs lb. 4.25 - 4.50
powd., bgs. lb. 4.65 - 4.90
Irish moss, bleached, prime, bls. lb. .16 - .18
Iron acetate, liquor, 26° dms., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys. lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb. 13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works. 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .06¾- .08¼
solut., 42 Be. 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .79
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb. 2.80 - —
Iodide, bots lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- .21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, ferric, anhyd., bgs., c.l., works ton. 28.50 - —
l.c.l., works ton. 29.50 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isoborneol, cns. lb. .84 - .95
Isobornyl acetate, cns lb. .97 - 1.10
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —
Isobutyl acetate, cns lb. .62 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Isobutyraldehyde, dms., works lb. .50 .53
Isoeugenol, cns. lb. 3.10 3.40
Isoleucine, dextro-laevo, with al-loisoleucine, dms., works lb. 28.00 -35.00
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¼- —
l.c.l., same basis lb. .11 - .11¼
tanks, same basis lb. .09 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., c.l., works lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, works lb. .22½- —
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .40 - .45
powd., bbls., bxs lb. .45 - .55
Resin, powd., bxs lb. 7.15 - 7.25
Juniper berries, bgs lb. .08 - .18
Tar, USP, dms lb .40 - .65

K

Kamala, powd., cns lb. .47 - .49
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, all refinery Ark., 42-44 specific gravity, w.w., tanks gal. .07875- —
Bayonne, 41-43 s.g., w.w., tanks. gal. .09 - —
California, 40-43, a.g., w.w., tanks gal. .121 - .156
Gulf ports, 41-43, s.g.,w.w., tanks. gal. .085 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks. gal. .07625- .08375
Penn., 45 s.g., w.w., tanks gal. .095 - .10
Kola nuts, bgs lb. 08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton. 85.00 -95.00
calcined, grain, 10-mesh, whse ton. 95.00 -105.00

L

Lady slipper root, bls lb. 1.50 - 1.75
Lanolin, anhyd., cosmetic, dms., works lb. .31 - .33
pharmaceutical, USP, dms., works lb. .29 - .32
hydrous lb. .28 - 30¼
Lard, cash, trcs., Chicago lb. .10½ Nom.
Larkspur seed bg lb. .35 .40
Laurel berries, bls lb. .25 .26
Leaves, Portuguese, bls lb. .11 - .11½
Greek, bls. lb. .08 - .08½
Yugoslavian, bls lb. .10½- .11
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .18 - .20
select, bls lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. lb. .19¾- —
powd., bbls. lb. .19¾- —
USP, cryst., dms lb. .21½- .26
gran., powd., dms lb. .22¼- .26¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld lb. .27 - .30
l.c.l., frt. alld lb. .31 - —
1-lb. bgs., c.l., frt. alld lb. .38 - .41½
l.c.l., frt. alld lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., shipt point, frt. alld lb. .13¼- —
l.c.l., works lb. .14¼- —
Lead carbonate (see Lead, white).
Chloride, fib. dms lb. .49 - —
Iodide, NF V, jars lb. 2.94 - 3.12
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y lb. .12 - —
E. St. Louis lb. .1180- —
Metallic paste, dms., 30,000-40,000 lbs., works lb. .28 - —
10,000-20,000 lbs., same basis lb. .28½- —
2,000-10,000 lbs., same basis lb. .29 - —
100 to 2,000 lbs., same basis. lb. .29½- —
Prices ex whse, Jersey City, N. J., 4½c. per pound hgher
Naphthenate, liquid, 16% pb, dms., dlvd lb. .15½- —
24% Pb, dms., dlvd lb. .21¼- —
30% Pb, dms., dlvd lb. .25¾- —
Nitrate, bbls., c.l lb. .19 - —
l.c.l lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .28½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .33 - .34
Phthalate, dibasic, dms., works lb. .37½- —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97%, Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98%, Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate, precip., dms., dlvd lb. .35 —

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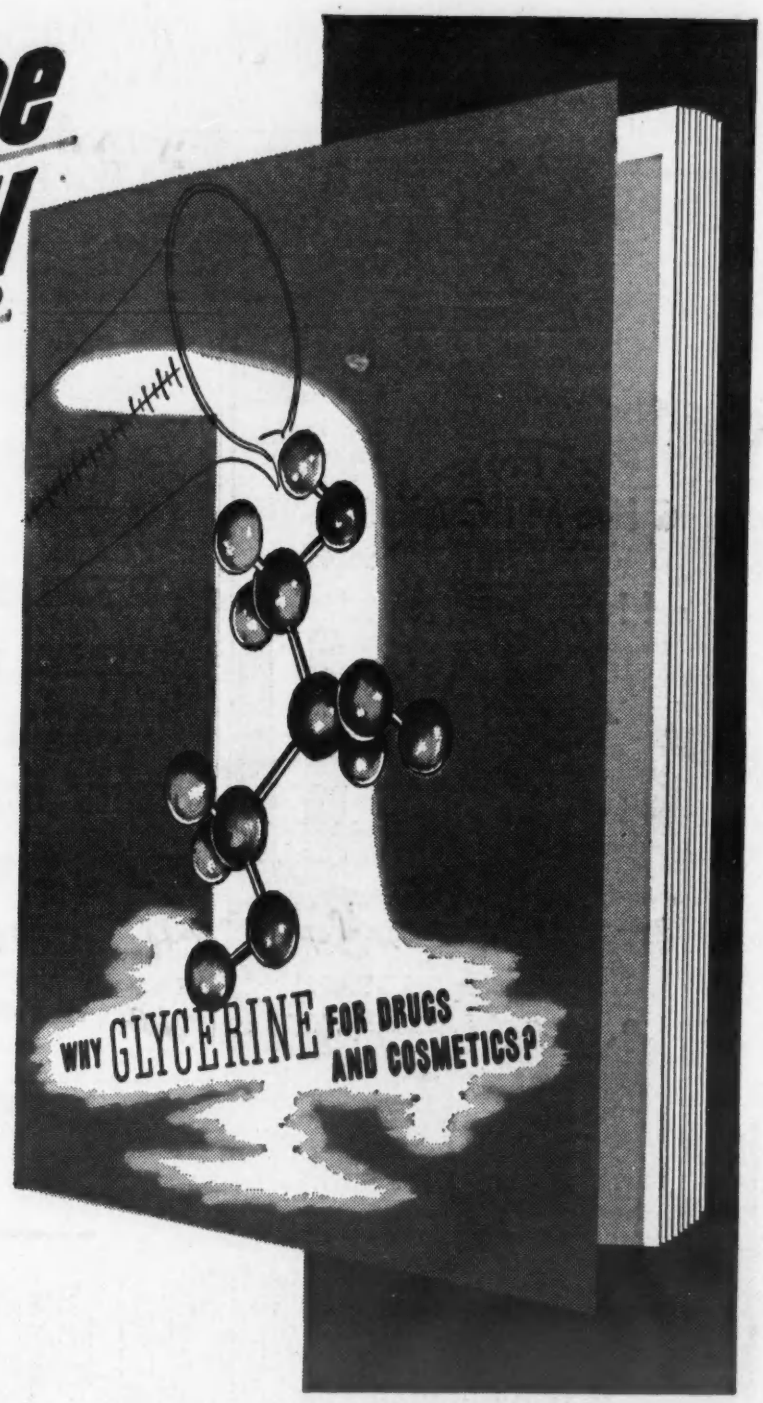


GLYCERINE PRODUCERS' ASSOCIATION
295 Madison Avenue, New York 17, N. Y.

Lead Salicylate—Marjoram

Lead salicylate, normal, dms., works	lb.	.41¼-	—
Silicate, bgs., l.c.l., ship't pt., frt. alld	lb.	.1420-	.1475
Stearate, dibasic, dms., works	lb.	.50¼-	—
precip., bbls., c.l.	lb.	.36 -	—
ton lots	lb.	.37 -	—
less ton lots	lb.	.38 -	—
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
tribasic, dms., works	lb.	.24¼-	—
Tallate, liquid, 16% Pb, dms.	lb.	.13¼-	—
solid, 30% Pb, dms	lb.	.20½-	—
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.14¾-	—
l.c.l., same basis	lb.	.15¾-	—
basic silicate, bgs., c.l., ship't point, frt. alld	lb.	.14⅜-	.16¼
l.c.l., same basis	lb.	.14⅞-	.17¼
basic sulphate, bgs., c.l., ship't point, frt. alld	lb.	.13¼-	—
l.c.l., same basis	lb.	.14¼-	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works	lb.	.16 -	—
l.c.l., same basis	lb.	.18½-	—
unbleached, c.l., same basis	lb.	.15 -	—
l.c.l., same basis	lb.	.17½-	—
Lemon peel, cs	lb.	.22 -	.25
Leucine, dextro-laevo, dms., works	lb.	28.00 -	35.00
Licorice extract, mass, cns	lb.	.40 -	.45
powd., bbls.	lb.	.55	—
Root, bls	lb.	.08	.09
5-lb. bundles, cs	lb.	.40 -	.45
powd., bbls	lb.	.11	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼-	.06¼

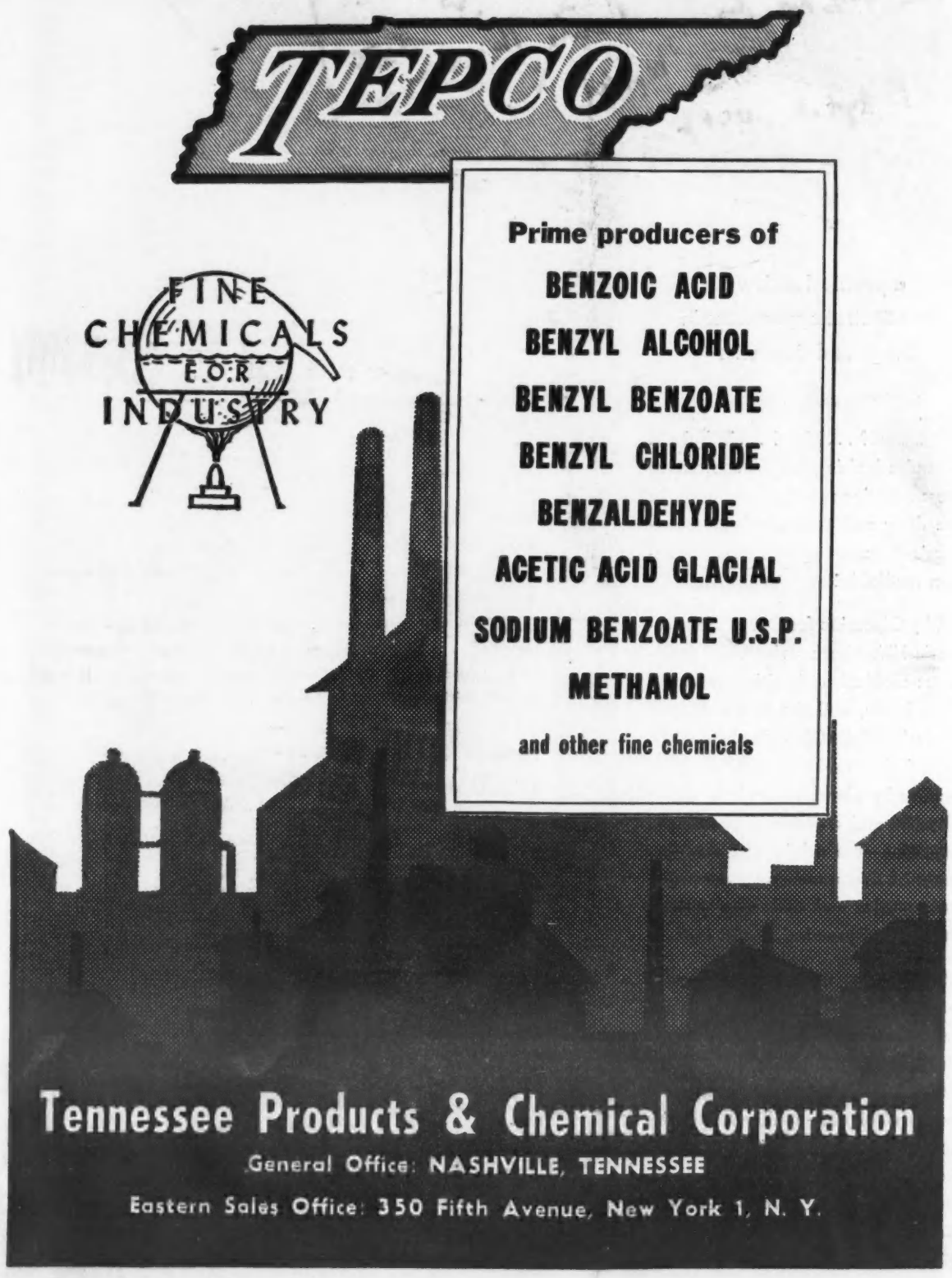
Lime, agricultural, bgs., works	ton.	13.00 -	13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	10.00 -	—
Annville, Pa.	ton.	10.50 -	—
Bellefonte, Pa.	ton.	10.50 -	—
Buffalo, N. Y.	ton.	10.00 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hallow, Pa.	ton.	10.50 -	—
Farnams, Mass.	ton.	9.00 -	—
Gibsonburg, Ohio	ton.	8.50 -	—
Hannibal, Mo.	ton.	7.50 -	—
Keystone, Ala.	ton.	9.75 -	—
Knoxville, Tenn.	ton.	9.75 -	—
Limedale, Ark.	ton.	9.00 -	—
Longview, Ala.	ton.	9.75 -	—
Martinsburg, W. Va.	ton.	10.00 -	—
Menominee, Mich.	ton.	8.00 -	—
Mitchell, Ind.	ton.	7.50 -	—
Rockland, Maine	ton.	9.00 -	—
Scioto, Ohio	ton.	7.50 -	—
Sherwood, Tenn.	ton.	10.00 -	—
Sherwood, Wis.	ton.	8.50 -	—
Woodville, Ohio	ton.	9.50 -	—
York, Pa.	ton.	10.50 -	—
Hydrated, paper bgs., Adams, Mass.	ton.	11.50 -	—
Annville, Pa.	ton.	13.50 -	—
Bellefonte, Pa.	ton.	13.50 -	—
Buffalo, N. Y.	ton.	13.50 -	—
Carey, Ohio	ton.	9.00 -	—
Cedar Hollow, Pa.	ton.	13.50 -	—
Engle, W Va	ton.	13.00 -	—
Farnams, Mass.	ton.	11.50 -	—
Gibsonburg, Ohio	ton.	9.50 -	—
Hannibal, Mo.	ton.	9.50 -	—
Keystone, Ala.	ton.	13.00 -	—
Knoxville, Tenn.	ton.	12.25 -	—
Limedale, Ark.	ton.	10.50 -	—
Longview, Ala.	ton.	13.00 -	—
Manistique, Mich.	ton.	9.50 -	—
Marblehead, Ohio.	ton.	10.50 -	—

Lime, hydrated, Mitchell, Ind.	ton.	10.00 -	—
Petoskey, Mich.	ton.	10.00 -	—
Port Island, Mich.	ton.	9.00 -	—
Rapid City, S. Dak.	ton.	12.00 -	—
Rockland, Maine	ton.	9.00 -	—
Scioto, Ohio	ton.	9.00 -	—
Sherwood, Tenn.	ton.	13.00 -	—
Sherwood, Wis.	ton.	10.00 -	—
Springfield, Mo.	ton.	9.00 -	—
Woodyville, Ohio	ton.	8.50 -	—
York, Pa	ton.	13.50 -	—
Spray, paper bgs., Adams, Mass.	ton.	11.70 -	—
Annville, Pa	ton.	13.50 -	—
Bellefonte, Pa.	ton.	13.50 -	—
Carey, Ohio	ton.	11.00 -	—
Engle, W Va	ton.	13.00 -	—
Farnams, Mass.	ton.	9.50 -	—
Gibsonburg, Ohio	ton.	10.00 -	—
Marblehead, Ohio	ton.	10.00 -	—
Rockland, Me.	ton.	10.00 -	—
Scioto, Ohio	ton.	10.00 -	—
Woodville, Ohio	ton.	10.00 -	—
York, Pa	ton.	13.50 -	—
Lime salts (see Calcium).			
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).			
Limestone, grd., bgs., works	ton.	3.50	4.00
Linalool, ex bois de rose	lb.	4.50	6.85
ex lignaloe wood	lb.	6.50	7.00
Linalyl acetate, ex bois de rose, bots	lb.	4.20	7.20
ex petitgrain, bots	lb.	4.25	6.00
Lindane, 25%, works, cans	lb.	3.00	3.05
dms., works	lb.	2.95	—
Linden flowers with leaves, bls.	lb.	.22 -	25
without leaves, bls	lb.	.22 -	.28
Linseed meal, 34% bulk, sldwest mills	ton.	68.00 -	—

Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld.	lb.	.13¾-	—
l.c.l., same basis	lb.	.14¾-	—
Lithium benzoate, dms.	lb.	1.65 -	—
Bromide, NF, bbls., works, frt. equald	lb.	1.90 -	—
Carbonate, NF, bbls., kgs	lb.	1.10 -	1.15
Chloride, cryst., dms.	lb.	.93 -	—
Citrate, NF, bbls., dms., kgs.	lb.	1.25 -	1.40
Fluoride, bbls	lb.	1.80 -	2.00
Hydroxide, dms.	lb.	1.00 -	1.25
Salicylate, dms.	lb.	1.62	1.70
Lithopone, ordinary, bgs., c.l., ship't point	lb.	.06¼-	—
l.c.l., same basis	lb.	.06½-	.06⅝
Titanated (high-strength), bgs., c.l.	lb.	.08¼-	—
smaller lots	lb.	.08½-	—
Lithopone prices, Pacific Coast, ¾c. per lb higher.			
Liverwort leaves, bls	lb.	.75	.80
Lobelia herb, bls.	lb.	.83 -	.88
leaves, NF	lb.	.87 -	.92
Lobeline sulphate, bots., works	oz.	34.00 -	38.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.38½-	—
No. 2, bbls., l.c.l.	lb.	.36½-	—
Logwood extract, liquid, No. 1, bbls., l.c.l	lb.	.18½-	—
No. 2, bbls., l.c.l.	lb.	.17½-	—
No. 3, bbls., l.c.l.	lb.	.17 -	—
No. 4, bbls., l.c.l.	lb.	.16½-	—
solid, No 1, bxs., l.c.l.	lb.	.33 -	—
No. 2, bxs., l.c.l.	lb.	.31 -	—
No. 3, bxs., l.c.l.	lb.	.28½-	—
No. 4, bxs., l.c.l.	lb.	.28 -	—
No. 5, bxs., l.c.l.	lb.	.26½-	—
No. 6, bxs., l.c.l.	lb.	44½-	48⅛
Lovage root, imp., bls.	lb.	1.00	1.10
Lupulin, tins	lb	1.95	2.00
Lycopodium, cs	lb.	1.45	2.00
Lysine hydrochloride, dextro-laevo.	kilo.	145.00 -	149.00

M

Mace, Amboyna, bls.	lb.	.73	.74
Banda, No. 1, bls.	lb.	1.05	Nom.
Siauw, No. 1, bbls.	lb.	.98 -	.99
West Indian, bls.	lb.	.86 -	.87
broken, bls.	lb.	.74 -	.75
Madder, Dutch, bgs.	lb	.29	.32
Magnesia, calcined, tech., ctns., works	lb.	.32	—
synth., rubber grade, ctns., works	lb.	.29	.31
USP, light ctns.	lb.	.34	—
heavy, bbls	lb.	.36	—
Magnesium arsenate, bgs., cans, works	lb.	.20	.30
Bromide, jars	lb.	.90	1.00
Carbonate, tech., bgs., c.s., frt. equald	lb.	.09	—
l.c.l., frt. alld.	lb.	.10	—
bbls., c.l., frt. equald	lb.	.10¼-	—
l.c.l., frt. alld.	lb.	.11¼-	—
kgs., c.l., frt. equald	lb.	.11½-	—
l.c.l., frt. alld.	lb.	.12½-	—
USP, bgs., l.c.l., frt. equald	lb.	.10¾-	—
l.c.l., frt alld.	lb	.11¾-	—
bbls., c.l., frt. equald	lb.	.11¼-	—
l.c.l., frt. alld.	lb.	.12¼-	—
kgs., c.l., frt. equald	lb.	.12½-	—
l.c.l., frt. alld.	lb	.13½-	—
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.			
Chloride, anhyd., dms., works	lb.	.12¼-	—
flake, bbls. c.l., works	ton.	40.00	—
l.c.l., works	ton.	44.00	46.00
Gluconate, dms., cns	lb.	1.86 -	1.93
Glycerophosphate, dms., works.	lb.	4.85	4.95
Hydroxide, NF, medicinal, bbls., dms., kgs.	lb.	.29 -	.30
Hypophosphite, dms.	lb.	1.60	—
Laurate, bbls.	lb.	.46	.47
Metal, 99.8% ingots, cs., works.	lb.	.20½-	—
sticks, cs., works	lb.	.34 -	.38
Oleate, fused, bbls	lb.	.31 -	—
Oxide (see Magnesia, calcined).			
Peroxide, 15%, dms., works	lb	1.00 -	1.05
Phosphate, tribasic, NF, bbls.	lb.	75 -	—
Silicate (see Talc).			
Silicofluoride, bbls., works	lb.	.09 -	.10
Stearate, ctns., c.l.	lb.	.35 -	—
smaller lots	lb.	.36 -	.37
Sulphate (see Epsom salt).			
Trisilicate, USP, dms., 1,000-lb. lots	lb.	.43 -	—
100-lb. lots	lb.	.50 -	—
Magnesite, chemical grade, bgs., c.l., mines, Calif.	ton.	67.50 -	—
dead-burnt, bulk, c.l., Chewalah, Wash	ton.	30.50 -	—
Maleic anhydride, dms., c.l., frt. alld	lb.	.30 -	—
l.c.l.	lb.	.31 -	—
Prices on maleic anhydride West of Rockies 1½c. higher.			
Malva flowers, black, bls.	lb.	1.00	1.25
Blue, bls.	lb.	.95	1.10
Leaves, bls.	lb.	.35 -	.40
Manaca root, bls	lb.	.49	.50
Mandrake root, bls.	lb.	.45 -	.50
Manganese acetate, bbls.	lb.	.32	—
Arsenate, bbls.	lb.	.12 -	.12⅛
Borate, tech., bbls.	lb	.23 -	—
Carbonate, bbls	lb.	.19 -	—
Chloride, anhyd., dms., works	lb.	.18 -	.19
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works	ton.	74.00 -	—
smaller lots, works	ton.	77.00 -	82.00
burlap bgs., c.l., works	ton.	71.75 -	—
l.c.l., works	ton.	74.75 -	79.79
paper bgs., c.l., works	ton.	70.00 -	—
l.c.l., works	ton.	73.00 -	—
85-90%, bbls., c.l., works	ton.	74.00 -	—
smaller lots, works	ton.	77.00 -	82.00
Gluconate, dms., cns	lb.	1.88 -	1.93
Glycerophosphate, NF, fib. dms	lb.	4.15	4.25
Hydrate, bbls., dlvd	lb.	.26	—
Hypophosphite, NF, dms	lb.	2.00	—
Linoleate, liquid, 4.35% Mn, dms	lb.	.39¼-	—
solid, precip., 8.2% Mn, bbls.,	lb.	41½	—
Metal, cs, dlvd. East	lb.	.30	.32
Naphthenate, liquid, 6% Mn, dms., frt. alld.	lb.	22¾	23¼
Oleate, precip, bbls	lb.	.33½-	—
Resinate, fused, 3½% Mn, dms.,	lb.	20	—
precip., dms	lb.	21½-	—
Stearate, ctns., c.l.	lb.	.35 -	—
smaller lots	lb.	36	.37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E	ton.	60.00 -	—
l.c.l., dlvd. S. E.	ton.	67.00	—
feed grade, 30% bgs., dlvd. S. E.	lb.	05¼	.07
75%, bgs, c.l., dlvd. S. E	ton.	68.50	—
l.c.l., dlvd. S. E.	ton.	75.50	—
Tallate, liquid, 4% Mn, dms	lb.	No prices.	
solid, 8% Mn, dms	lb	No prices.	
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock	ton.	No stocks.	
So. American, 30-32% tannin, c.l., ex dock	ton.	65.00	—
Manna, flake, large, cs	lb.	1.25	1.35
small, cs	lb.	.85	1.00
Mannitol, com'l, dms., works	lb	40	43
reagent, 50-lb. dms., works	lb	.85	—
Marjoram, Argentine, bls	lb	14	Nom.
Chilean, bls.	lb.	.45	Nom.
French, bls.	lb.	.52 -	.53

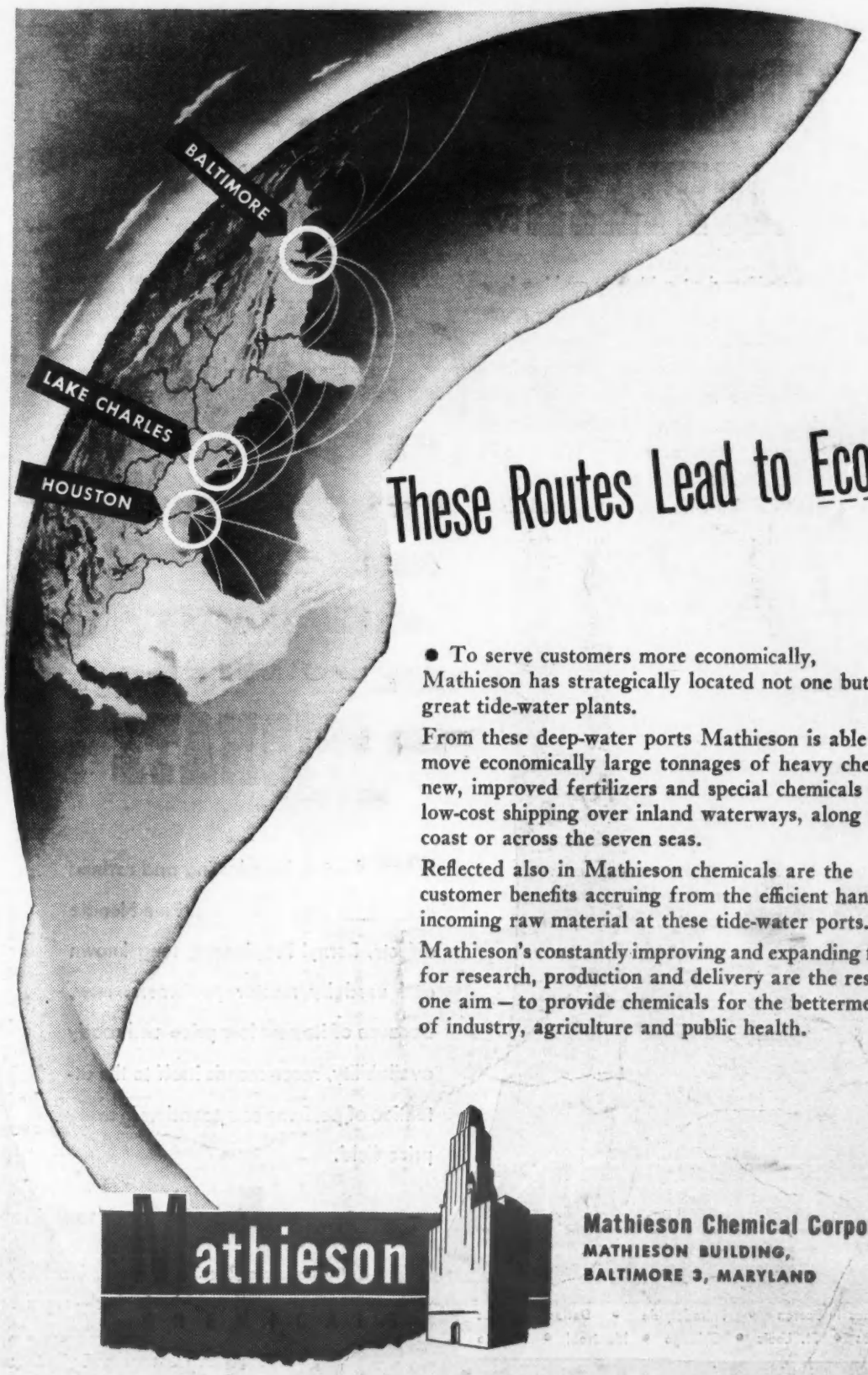


Matico leaves, bls.....lb. .25 - .33
Melamine, bgs., ton lots, works..lb. .33 - —
500 lbs. or more, works.....lb. .33½- —
less 500 lbs., works.....lb. .38½- —
Menadione, USP, bots., works gram. .06½ —
Menthol, natural, USP, Brazilian..lb.10.65 -10.90
synthetic, USP, racemic, cns....lb. 7.25 Nom.
Menthyl salicylate, tins.....lb. 4.00 - 4.25
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, ton lots, works, frt. alld., ton lots..lb. .27 - —
less ton lots, same basis lb. .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd.....lb. 3.27 - 3.32
Iodide, red, NF, dms.....lb. 4.07 - —
Yellow, NF, fib. dms.....lb. 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms.....lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Metaldehyde, dms., works.....lb. .78 - —
Metachloramtin, dms., works.....lb. .75 - —
Metacresol, 98%, dms., c.l., works.lb. .55 - .80
works, l.c.l..lb. .56 - —
80-82%, dms., works.....lb. .35 - —
70-75%, dms., works.....lb. .30 - —
Metaparaisopropylphenol, dms., c.l...lb. .21 - —
l.c.l.....lb. .22 - —
tanks.....lb. .20 - —
Metanitroparatoluidin, bbls.....lb. 1.28 - 1.33
Metaphenylenediamine, kgs.....lb. .76 - —
Metatoluidine, bbls., works.....lb. .80 - —
Metatolylenediamine, kgs.....lb. .85 - —
Methanol, natural, dms., c.l., frt. alld gal. .58 - —
l.c.l., frt. alld.....gal. .61 - —
tanks, frt. alld.....gal. .59 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .33 - —
l.c.l., frt. alld.....gal. .41 - —
tanks, frt. alld.....gal. .26 - —
zone 2, dms., c.l., frt. alld.. gal. .45 - —
l.c.l., ex whse.....gal. 47½- —
tanks, frt. alld.....gal. .31 - —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Texas production, Midwest and Gulf states, deliveries, dms., c.l., frt. alld gal. .38 - —
tanks, frt. alld.....gal. .26 - —
West of Rockies, dms., c.l., frt. alld gal. .45 - —
tanks, frt. alld.....gal. .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more..lb. 6.25 - 7.00
1 to 49-lb. lots, works.....lb. 6.75 - 7.50
Methoxychlor, dealers, dms., cs., works..lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1..lb. .17¼- —
l.c.l., same basis.....lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetate, dms., c.l., dlvd., N. Y. lb. .08 - —
l.c.l., same basis.... lb. .08½- —
Acetoacetate, dms., c.l., works lb. .49½- —
l.c.l., same basis.....lb. .50 - —
tanks, works.....lb. .48 - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .60 - —
l.c.l., same basis.....gal. .71 - —
Natural methyl acetone group A prices W of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity..gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E..gal. .53 - —
frt. alld. W.....gal. .57 - —
l.c.l., works, frt. alld. E..gal. .56½- —
frt. alld. W.....gal. .60½- —
tanks, works, frt. alld. E gal. .43½- —
frt. alld. W.....gal. .47 —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Alcohol (see Methanol).
Anthranilate, 100 lbs. or more..lb. 2.10 - 2.90
extra.....lb. 4.00 - 4.40
Benzoate, cns.....lb. .55 - 1.20
Bromide, dealers, cns.....lb. .69 - .71
cyls.....lb. .60 - .78
Chloride, indust., cyl., works..lb. .17 - —
tanks, multi-unit, works....lb. .13 - —
single-unit works.....lb. .10½- —
refrigerator mfrs., cyls., dlvd...lb. .37 - —
other consumers or service men, cyls., dlvd..lb. .42 - —
Cinnamate, cns.....lb. 1.43 - 1.65
Formate, refd., dms.....lb. .35 - .40
tech., non-ret. dms., any quantity, works..lb. .08 - —
tanks, works.....lb. .07 - —
Heptin carbonate, bots.....lb.36.00 -58.00
Iodide, bots.....lb. 4.78 - 5.07
Lactate, dms., l.c.l., works....lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works.....lb. .48 - .58
P-1, cns., works.....lb. .60 —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms.....lb. 1.90 - 2.00
Roseanilin chloride, USP, bots. lb. 5.15 - 5.30
Salicylate, USP, dms., 500 lbs..lb. .40 - —
25-50 lbs.....lb. .45 - —
Testosterone, USP, 100 gms...gm. 3.50 - —
Methylal, refined, 95%, dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
tanks, works.....lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Ketone, dms., works.....lb. 70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld.....lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 .80
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld .lb. .62 - —
2,000 lbs. and more, same basis lb. .63 —
smaller lots, frt. alld. on 100 lbs..lb. .68 .73

Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 3.22
Chloride, indust., dms., c.l., dlvd. E..lb. .12½- —
l.c.l., dlvd E.....lb. .13½- —
tanks, dlvd. E.....lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, tech., dms., works lb. .60 —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd .....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works .lb. .03½- —
roofing, 20 to 80 mesh, works.lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05½- —
l.c.l., ex whse., or frt. alld. E lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —

Mica, wet-grd., rubber bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex whse. or frt. alld. E lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l. lb. .11 - .13½
spray, bbls., c.l.....lb. .12½- .14¼
Whole, roller, bbls., c.l.....lb. .28 - .33
spray, bbls., c.l.....lb. .28½- .35¼
Sugar, crude, bgs., c.l., works lb. .16½- —
edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots.....lb. .24¾- —
200-1,800-lb. lots.....lb. .25¼- —
USP, bbls., works 30,000-lb. lots lb. .26 - —
2,000-lb. lots.....lb. .26¾- —
200-1,800-lb. lots.....lb. .27¼- —
Molasses, blackstrap, tanks....gal. .06 - —
New Orleans, tanks.....gal. .06 - —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs lb. 2.60 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —

Monochlorobenzene, dms., c.l., works, frt. alld lb. .07 - .08
l.c.l., works, frt. equald.....lb. .08 - .10
tanks, works, frt. equald lb. .06 - .06¼
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis .....lb. .28 - —
tanks, same basis .....lb. .25½- —
Monoethylamine, dms., c.l., frt. alld. basis 100%..lb. .21½- —
l.c.l., same basis.....lb. .22½- —
tanks, same basis .....lb. .20 —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%. lb. .35 - —
l.c.l., same basis .....lb. .35½- .36
tanks, same basis .....lb. .31 —
Monomethylanilin, dms. works lb. .70 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works .....lb. .15 - —
tanks, works .....lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works.....lb. .51 - —
tanks, works .....lb .49 - —
Morphine, cns.....oz.12.35 -12.40
Acetate, cns.....oz. 9.85 - 9.90
Hydrobromide, cns.....oz. 9.80 —
Hydrochloride, NF, cns .....oz. 9.90 —
Sulphate, USP cns .....oz. 9.90 —
Morpholine, dms., c.l., works....lb. .60½- —
l.c.l., works .....lb. .61 - —
tanks, works .....lb. .59 - —
Mountain ash berries, bgs.....lb. 65 .75
Mullein flowers, cs.....lb. 1.25 1.30
Leaves, bls.....lb. .13 - .16



These Routes Lead to Economy

• To serve customers more economically, Mathieson has strategically located not one but three great tide-water plants.

From these deep-water ports Mathieson is able to move economically large tonnages of heavy chemicals, new, improved fertilizers and special chemicals through low-cost shipping over inland waterways, along the coast or across the seven seas.

Reflected also in Mathieson chemicals are the customer benefits accruing from the efficient handling of incoming raw material at these tide-water ports.

Mathieson's constantly improving and expanding facilities for research, production and delivery are the result of one aim — to provide chemicals for the betterment of industry, agriculture and public health.

athieson

Mathieson Chemical Corporation
MATHIESON BUILDING,
BALTIMORE 3, MARYLAND

SERVING INDUSTRY, AGRICULTURE AND PUBLIC HEALTH

Morpholine—Oil, Fishliver

Musk, nat., Tonquin, grains, bots.	oz.	25.00	-30.00
synthetic—Ambrette, 100 lbs.	lb.	5.40	- —
25 lbs.	lb.	5.50	- —
5 lbs.	lb.	5.65	- —
Ketone, 100 lbs.	lb.	4.95	- —
25 lbs.	lb.	5.05	- —
5 lbs.	lb.	5.20	- —
Xylol, 100 lbs.	lb.	1.60	- —
25 lbs.	lb.	1.70	- —
5 lbs.	lb.	1.85	- —
Musk root, bls	lb.	No prices.	
Mustard seed, Calif., brown, f.o.b. source	lb.	.07½	- .08
Danish, bgs., futures	lb.	.11½	- .12
Dutch, yellow, bgs., futures	lb.	.13	- .13¼
English, yellow, bgs.	lb.	.11½	- .12
Montana, brown, bgs., source.	lb.	.05½	- .06
Oriental, bgs., source	lb.	.07¼	- .07½
yellow, bgs., source	lb.	.11	- .11½
Washington, yellow, source, bgs	lb.	.12	- .12¼
Myrobalans, J1, assorted, ex dock.	ton.	52.00	-54.00
J1 crushed, ex dock	ton.	75.00	- —
J2, ex dock	ton.	42.00	- —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald	lb.	.06	- —
tanks, same basis	lb.	.0525	- —
78°, bgs., c.l., works, frt. equald	lb.	.0635	- —
l.c.l., same basis	lb.	.0660	- —
Naphthalene, dom., crude, 78°, bbls., c.l., same basis	lb.	.0635	- —
l.c.l., same basis	lb.	.0660	- —
78°, dms., c.l., same basis	lb.	.0750	- —
l.c.l., same basis	lb.	.08	- —
tanks, same basis	lb.	.0575	- —
refined, industrial, bbls., c.l., frt. equald	lb.	.10	- —
bgs., c.l., same basis	lb.	.09½	- —
tanks, same basis	lb.	.09	- —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis	lb.	.12¼	- —
bbls., c.l., same basis.	lb.	.12	- —
1-lb. pkgs., c.l., same basis	lb.	.14	- —
imported, crude, 78°, 100 ton lots	lb.	.03½	- —
Neocinchophen, USP, dms., works	lb.	7.00	- 7.35
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y	ton.	14.25	- —
pottery, 200 mesh, bulk, Rochester, N. Y	ton.	18.25	- —

Nepheline syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns	lb.	2.00	- 2.25
Niacin (see Acid, nicotinic).			
Niacinamide (see Nicotinamide).			
Nickel acetate, bbls., dlvd	lb.	.50	- —
Carbonate, bbls., dlvd	lb.	.48	- .50
Chloride, bbls., dlvd	lb.	.23	- —
Cyanide, bots., dms	lb.	1.75	- 2.00
Formate, bbls., ton lots, dlvd	lb.	.43½	- —
Metal, electro cathodes, cs	lb.	.40	- —
Nitrate, bbls., works	lb.	.24½	- .25½
Oxide, black, bbls	lb.	.42	- —
Sulphate, bgs., c.l., dlvd	lb.	.18	- —
l.c.l., dlvd	lb.	.18½	- —
Nicotinamide, USP, dms., works	kilo.	11.00	-11.30
Hydrochloride, dms., works	kilo.	10.50	-10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm.		49.40	- —
tins, 10 lbs., dealers, frt. alld. on cases of 6	tin.	10.85	- —
Nikethamide, buts., cbys	lb.	5.50	- 6.60
Nitercake, bulk, works	ton.	No stocks.	
Nitrobenzene, cbl. dist., dms., c.l.	lb.	.09	- .09¼
l.c.l.	lb.	.10	- .11
tanks	lb.	.08	- .08¼

Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight

	lb.	.28	- —
l.c.l., same basis	lb.	.29	- .31

18-25 cps., bbls., c.l., same basis

	lb.	.30	- —
l.c.l., same basis	lb.	.31	- .33

18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis

	lb.	.32	- —
l.c.l., same basis	lb.	.33	- .35

spirit-soluble, 30-35 cps, ¼, ½, 5-6 and 40-50 secs., bbls.,

c.l., same basis	lb.	.32	- —
l.c.l., same basis	lb.	.33	- .35

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works	lb.	.30	- —
Nitrogen solution, tanks, works, N.	ton.	120.00	-126.23
Nitrogenous process tankage, bulk, works, ammo., ship't. unit	ton.	3.70	- 4.10
Sewage sludge, bulk, works, unit	ton.	3.25	+ .40
Nitromethane, dms., l.c.l., works	lb.	.30	- —
Nitropropane, 1, dms., works	lb.	.30	- —
2, dms., works	lb.	.30	- —
Nutgalls, Aleppo, bgs	lb.	.43	- —
Chinese, bgs	lb.	.38	- —
Istrian, bgs	lb.	.31	- —
Nutmeg, East Indian, bgs	lb.	.44	- .45
futures, bgs.	lb.	.42	- .43
West Indian, bgs	lb.	.30	- .31
futures	lb.	.29	- .30
Nux vomica, bls.	lb.	.10	- .12
powdered, bbls., bxs	lb.	.13	- .14

O

Oakbark extract, 25% tannin, bbls., c.l., works	lb.	No stocks	
Octane, 100°-140° C, industrial grade, group 3, dms., c.l.	gal.	.19	- —
l.c.l.	gal.	.21	- .60
tanks	gal.	.15½	- —
100° C, Bayonne, N. J., tanks	gal.	.16	- —
Octanol, normal, tech., dms., c.l., dlvd	lb.	.34½	- —
l.c.l., dlvd	lb.	.36½	- —
tanks, dlvd	lb.	.32	- —
Oil, abies siberica, cns	lb.	4.00	- 5.50
Almond, artificial, bitter, (see Benzaldehyde)			
natural, bitter, F.P.A., bots	lb.	3.40	- 5.00
NF, bots	lb.	3.25	- 3.50
Sweet, dms., cns	lb.	.70	- .95
Amyris, dms	lb.	1.55	- 1.95
Angelica root, bots	lb.	120.00	-190.00
Seed, bots	lb.	80.00	-100.00
Anilin (see A).			
Anise, USP, Chinese, dms	lb.	1.20	- 1.55
Apricot kernel, USP, dms	lb.	.42	- .60
Avocado, cns., dms	lb.	1.00	- 1.10
Babassu, crude, tankcars	lb.	.17¾	- —
Bay, NF, Puerto Rican, 50-55%, cns	lb.	1.20	- 1.50
55-60%, cns.	lb.	1.20	- 1.60
West Indian, 50-55%, cns.	lb.	1.20	- 1.60
Bergamot, artif., cns	lb.	2.00	- 4.25
natural, Italian, cns	lb.	4.40	- 5.00
Birchtar, crude, cns	lb.	.95	- 1.76
rectified, NF cns	lb.	4.15	- 4.25
Bois de rose, Brazil	lb.	2.95	- 3.60
Mexican (see Oil, linaloe wood).			
Bone, dms., works	gal.	.65	- 70
Cajeput, tech., dms	lb.	1.65	- 2.00
redistilled, USP, cns	lb.	2.20	- 4.50
Calamus, cns	lb.	20.00	-28.00
Camphor, natural, white, cns	lb.	.30	- .50
dms.	lb.	.25	- .50
Cananga, native, cns	lb.	2.75	- 4.00
rectified, cns.	lb.	3.50	- 5.50
Capsicum (see Capsicum oleoresin).			
Caraway, NF, cns	lb.	3.65	- 6.50
Cardamom, NF, bots	lb.	54.00	-70.00
Cassia, USP, cns	lb.	1.90	- 3.00
Castor, blown, dms., c.l.	lb.	.20¼	- —
dms., l.c.l.	lb.	.20¾	- —
standard, USP, dms., c.l.	lb.	.18¼	- —
l.c.l.	lb.	.18¾	- —
tanks	lb.	.17¼	- —
refined and deodorized, dms., c.l.	lb.	.19¾	- —
l.c.l.	lb.	.20¼	- —
tankcars	lb.	.18¾	- —
dehydrated, bodied, dms., c.l.	lb.	.22	- —
l.c.l.	lb.	.22½	- —
tanks	lb.	.21	- —
unbodied, dms., c.l.	lb.	.21	- —
l.c.l.	lb.	.21½	- —
tanks	lb.	.20	- —
hydrogenated, dms., c.l., works.	lb.	.28	- —
l.c.l., same basis	lb.	.29	- —
No. 3, tech., dms., c.l.	lb.	.17	- —
l.c.l.	lb.	.17½	- —
tanks	lb.	.16	- —
sulphonated, 50% (48% fat), dms	lb.	.12	- .13
75% (60-62% fat), dms	lb.	.15¾	- 16¼
Cedarleaf, tech., cns., dms	lb.	1.65	- 1.70
USP, dms.	lb.	1.70	- 1.85
Cedarwood, cns.	lb.	.44	- .55
dms.	lb.	.32	- .50
Celeryseed, bots	lb.	15.00	-18.50
Chaulmoogra, NF, cns., cns	lb.	55	- 70
Chinawood (see Oil, tung).			
Cinnamon bark, bots	lb.	27.00	-60.00
Leaf, Ceylon	lb.	1.50	- 1.75
Seychelle	lb.	1.35	- —
Citronella, Ceylon, cns	lb.	1.00	- 1.50
Java, and Java-type, cns	lb.	1.65	- 2.20
Clove, USP, from Madagascar buds, cns., dms	lb.	1.45	- 1.85
from Zanzibar, buds, cns., dms.	lb.	1.70	- 2.20
Coconut, crude, tanks, Atlantic ports	lb.	.15	- —
Pac. Coast	lb.	.13½	- —
refined, Cochin type, tax incl., dms., l.c.l	lb.	.23½	- —
deodorized, tax incl., dms., l.c.l	lb.	.25	- —
Cod, Newfoundland, dms	lb.	.09	- .10
Codliver, USP, dms	gal.	1.50	- 1.60
Coriander, bots.	lb.	25.00	-35.00
Corn, crude, tanks, works	lb.	.11	- —
foots, acid, 95%, tanks, dlvd. E	lb.	.04	- —
raw, 50%, tanks, dlvd. E	lb.	.01	Nom.
refined, dms., New York	lb.	.15¾	- .16
tanks	lb.	.13½	- .1390
Costus, bots.	oz.	35.00	- —
Cottonseed, crude, tanks, Southeast and Valley	lb.	.10	- —
foots, acid 95%, tanks, dlvd. E	lb.	.03	- —
raw, 50%, tanks, dlvd. E	lb.	.01	- —
refined, dms.	lb.	.15½	- .16
tankcars	lb.	.13¾	- —
Creosote (see Creosote, coaltar).			
Croton, NF, cns	lb.	4.75	- 5.50
Crude (see Petroleum, crude).			
Cubeb, cns.	lb.	7.00	- 7.50
Cumin, bots.	lb.	6.25	-11.50
Cypress, bots.	lb.	11.00	-15.00
Degras (see D).			
Dillseed, bots	lb.	6.75	- 9.50
Dillweed, bots., dms	lb.	5.65	- 6.50
Dip (see D).			
Erigeron, cns	lb.	5.00	- 5.25
Eucalyptus, rectified, USP, 80-90%, cns	lb.	70	- 1.45
70-80%, cns	lb.	.58	- 1.30
Fennel, sweet, cns	lb.	2.50	- 3.00
Fir, Canada, cns	lb.	1.85	- 1.95
Fishliver, crude, for feeds or concentrating, 6,000 to 12,000 A units, dms			
dms., 1,000,000 units.		.13	- .14
15,000 to 20,000 A units, dms 1,000,000 units.		.14¼	- .14¼
25,000 to 35,000 A units, dms. 1,000,000 units.		.16½	- .17½
40,000 to 55,000 A units, dms 1,000,000 units.		.18	- .18½
prime, natural, or concentrate, 100,000 A units, dms 1,000,000 units.		.24	- —
200,000 A units, dms 1,000,000 units.		.28	- —
300,000 A units, dms 1,000,000 units.		.31	- —
400,000 A units, dms 1,000,000 units.		.33	- —
500,000 A units, dms 1,000,000 units.		.36	- —

Prices of crude fishliver oils are based on E-x-2000 (International) factor. Prices on prime oil and concentrates are based on E-x-1894 (USP) factor.

Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots	oz.	9.00	-15.00
Gaultheria (see Oil, wintergreen)			
Geranium, Algerian, cns	lb.	10.50	-14.50
Bourbon, cns.	lb.	12.50	-14.50
Turkish (see Oil, palmarosa).			
Ginger, dist., bots	lb.	21.00	-26.00

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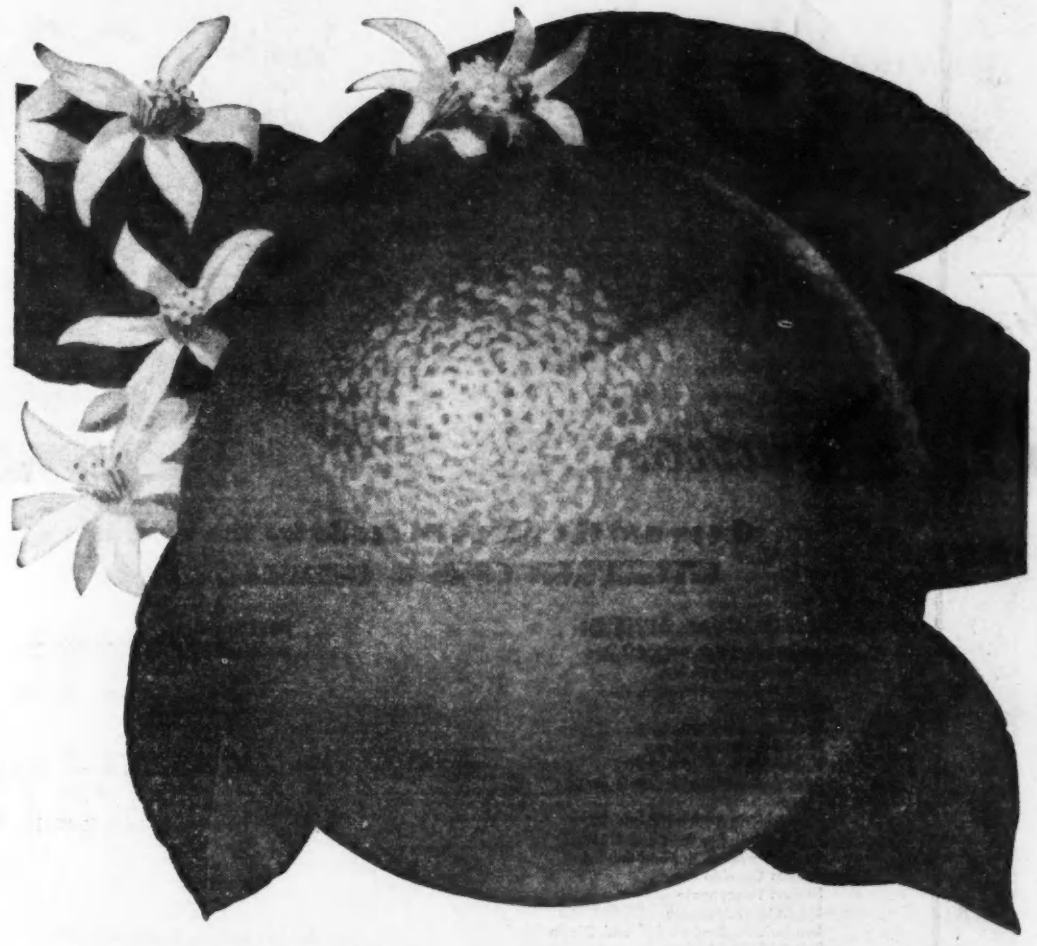
Oil, grapefruit	lb.	.80	- 1.25
Grease, No. 1, dms	lb.	.11½	- .12
extra, Winter, strained, dms	lb.	.12¾	- .13¼
prime, burning, dms	lb.	.14¼	- .14¾
Guaiacwood cns	lb.	1.85	- 2.15
Hemlock, cns	lb.	1.65	- 2.75
Herring, crude, tanks, Pac. coast.	lb.	No prices.	
Juniper berry, NF VIII, bots.	lb.	3.00	- 7.00
twice rectified	lb.	4.75	5.00
Tar, USP (see Juniper tar).			
Wood, tech., cns	lb.	.65	1.00
Lard (see Oil, grease).			
Laurel, bots.	lb.	9.75	-12.50
Lavandin, cns.	lb.	1.30	- 1.85
Lavender flower, French, 40-42% ester, cns.	lb.	4.15	- 5.15
38-42% ester, cns	lb.	3.20	- 5.15
30-32% ester, cns	lb.	2.20	- 3.25
Spike, Spanish, cns	lb.	.90	- 1.60
Lemon, USP, Calif., cns	lb.	2.75	- 3.25
Messina	lb.	2.55	- 5.00
terpeneless, bots	lb.	32.00	-65.00
Lemongrass, cns., dms	lb.	2.25	- 3.00
Lignaloe seed, Mexican, cns.	lb.	4.50	4.80
Wood, Brazilian (see Oil, bois de rose).			
Mexican, cns	lb.	2.75	5.20
Lime, distilled, Mexican, cns.	lb.	5.25	- 6.50
West Indian, cns	lb.	5.75	- 7.50
expressed, West Indian, cns.	lb.	7.25	-11.25
terpeneless, bot	lb.	55.00	-65.00
Linseed, raw, dms., c.l., Zone 3	lb.	.1850	—
l.c.l.	lb.	.1910	.1950
tankcars	lb.	.1730	—
tankwagon	lb.	.1760	—
Boiled linseed oil .007 higher than raw			
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks.	gal.	.285	—
neutral, 300 vis., No. 3, col., 0.10 pour, tanks	gal.	.21	.22
200 vis., No. 3, col., 15-25 pour, tanks	gal.	.18	.19
145-155 vis., No. 3, color, 10-25 pour, tanks	gal.	.285	—
Penna., W. cylinder, 600-650 flash, tanks	gal.	.33	- —
600-650 steam refd., tanks.	gal.	.37	- —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks.	gal.	.37	- .39
200 vis., 25 pour, tanks.	gal.	.39	- .41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks.	gal.	.11	- .12
red, 200 vis., 4-6½ pour, tanks	gal.	.11	- .12½
Mace, dist., cns., dms	lb.	3.45	- 3.85
Mandarin, Brazilian, cns	lb.	9.25	- —
Italian, cns	lb.	6.75	- 9.75
Menhaden, crude, tanks, Balto.	lb.	.06	Nom.
refined, alkali, dms	lb.	.1180	—
kettle-bodied, dms	lb.	.1330	—
light-pressed, dms	lb.	.1080	—
tanks	lb.	.0920	—
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard seed, dms	lb.	.19½	- .20
synthetic, cns., expressed, dms.	lb.	1.40	- 1.70
Neatsfoot, 15°, dms	lb.	.28	- .28½
20°, dms.	lb.	.27	- .27½
30°, dms.	lb.	.21	- .21½
Neroli, French, bots	lb.	75.00	-390.00
Haitian bots	lb.	175.00	-200.00
Nitrouli, cns	lb.	2.30	- 3.25
Nutmeg, dist., East Indian, cns., dms	lb.	3.45	- 3.85
West Indian, cns., dms	lb.	3.50	- 4.35
Ocotea cymbarum, dms	lb.	.75	- .95
Oiticica, liquid, dms	lb.	.24	- .25
Oleo, extra, trcs	lb.	.16	- —
Olibanum, bots	lb.	4.50	- 7.65
extra fine, bots	lb.	6.25	-10.50
Olive, commercial, dms	gal.	1.75	- 1.85
edible, dms., duty paid	gal.	2.30	- 2.50
foots, dms	lb.	.13	- .13¼
Orange, sweet, natural, dist., cns.	lb.	.25	.60
expressed, USP, Brazilian, cns	lb.	.95	- 1.25
Calif., cns.	lb.	.60	- 1.00
Florida, cns., dms	lb.	.42	- 1.00
Messina, coppers	lb.	2.45	- 5.50
West Indian, cns	lb.	1.95	- —
sesquiterpeneless, bots	lb.	55.00	-135.00
Origanum, Spanish, cs	lb.	2.40	- 3.50
Palm, Congo, dms	lb.	.1125	—
tankcars	lb.	.1020	—
Palmarosa, cns	lb.	6.25	- 9.00
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery	gal.	11½	—
Patchouli, dms.	lb.	19.50	-24.00
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, Southeast	lb.	.12	- —
refined, dms	lb.	.16½	- .17
tanks, New York	lb.	.14¾	- —
Pennyroyal, USP, dom., cns.	lb.	No stocks.	
imported, cns	lb.	4.60	- 5.50
Peppermint, natural, dms	lb.	5.75	- 6.25
redist., USP, dms	lb.	6.00	- 6.55
Persic, USP (see Oil, apricot kernel).			
Perilla, crude, cms	lb.	No stocks	
Petitgrain, Paraguay, cns	lb.	2.15	- 2.80
Pimento berry, dms	lb.	3.85	- 6.00
leaf, cns	lb.	1.55	- 1.95
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.53	- —
l.c.l., works, South	gal.	.56	- —
ex whse., N. Y. C	gal.	.67	- —
tanks, works, South	gal.	.45	- —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C.	lb.	.09½	- —
Pineneedle, Siberian (See oil, abies siberica).			
Putty, petroleum, heavy, dms	gal.	.18	- —
tankwagon	gal.	.13½	- —
light, dms	gal.	.16½	- —
tankwagon	gal.	.12½	- —
Rapeseed, tankcars	lb.	.15¾	- —
Red, single dist., dms.	lb.	.12¼	- .13¼
tanks	lb.	.11	- —
saponified, dms	lb.	.11½	- .12¼
double dist., dms	lb.	.14¾	- .15¾
tanks	lb.	.13½	- —
Rice bran, clarif., c.l., dms.	lb.	.13	- .13½
tanks	lb.	.11	—
Rose, natural, Bulgarian, coppers	oz.	25.00	-38.00
Rosemary, Spanish, tech., cns., dms	lb.	.75	- 1.50
USP, cns., dms	lb.	.95	- 1.60
Rosin, first rectified, dms	gal.	.66	—
2d rectified, dms	gal.	.68	—
3d rectified, dms	gal.	.78	—
Rue, bots.	lb.	2.75	- 5.00
Sage, clary, bots.	lb.	13.50	-16.00
Dalmatian, cns.	lb.	4.00	- 5.50
Spanish, cns.	lb.	.85	- 3.50
Sandalwood, NF, cns.	lb.	11.50	-16.30
Sardine, crude, tanks, Pac. coast.	lb.	.06¼	- .06½
refined, alkali, dms	lb.	.1180	—
kettle-bodied, dms.	lb.	.1330	—
light-pressed, dms.	lb.	.1030	—
tanks	lb.	.0920	—
Sassafras, artificial	lb.	.44	.65
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP, cns., dms	lb.	1.80	2.30
Savin, cns	lb.	2.50	2.75
Savory, cns	lb.	3.00	—
Seal, 2% acid, duty extra, dms	lb.	.13	- —
Sesame, ref., dms., l.c.l.	lb.	.41	- —
Oil, shingle stain, bbls., c.l., works	gal.	.2185	—
l.c.l., works	gal.	.25	- .29
tanks, works	gal.	.15	- .16
Snakeroot, Canada, cns	lb.	18.75	-25.00
Snakeroot, Canada, cns	lb.	18.75	-25.00
Soybean, crude, tanks, mills	lb.	.10¼	- .10⅝
foots, acid, 95%, tanks, dlvd. E	lb.	.04½	- .04¾
raw, 50%, tanks, dlvd. E	lb.	.01⅞	- .02
refined, alkali, dms., c.l.	lb.	.13¾	- —
l.c.l.	lb.	.1385	- .1435
tanks	lb.	.12½	- —
clarified, dms., c.l.	lb.	.1220	—
l.c.l.	lb.	.1285	- .1335
tanks	lb.	.11½	—
edible, dms	lb.	.14¼	- .14¾
tanks	lb.	.13	- —
Spearmint, dms.	lb.	3.10	- 4.10
Sperm, bleached, winter, 45°, drums	lb.	.1620	.1670
tankcars	lb.	.1520	—
natural winter 45°, dms	lb.	.15	- .15½
tankcars	lb.	.14	- —
Spruce, cns., dms	lb.	1.65	- 2.75
Sunflower-seed, tnp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
Sweet birch, Northern, cns.	lb.	4.50	- 7.50
Southern, cns.	lb.	1.95	- 3.65
Tall, crude, tanks, works	ton.	40.00	- —
refined, dms., c.l., works	lb.	.06	- —
l.c.l., works	lb.	.06¼	- —
tanks, works	lb.	.05	- —
Tallow, acidless, dms	lb.	.11¾	- .12
Tansy, dms.	lb.	8.75	9.00
Tar, pine, coml., dms., incl., c.l., works, South	lb.	.045	- —
l.c.l., works, South	lb.	.0473	- —
whse., N.Y.C.	lb.	.0595	- —
tanks, works, South	lb.	.035	- —
rectified, NF, l.c.l., dms., incl., works, South	gal.	.60	—
Tar acid (see T).			
Teaseed, dms.	lb.	No stocks.	
Oil, theobroma (see Cocoa butter).			
Thyme, NF, red, cns	lb.	2.05	3.35
white, cns	lb.	2.30	- 3.30
technical, white, cns	lb.	35	1.00
Tung, dom., tanks, mills	lb.	.26	Nom.
imported, dms., c.l.	lb.	.28	- —
l.c.l.	lb.	.28½	- —
tanks	lb.	.26½	- —
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF, cns., dms	lb	35	55
Vetiver, Bourbon, cns	lb.	12.60	-15.00
Haitian, cns.	lb.	10.00	-14.50
Java, cns	lb.	12.00	-15.00
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb.	No stocks.	
Wheat germ, dms	gal	10 00	-12.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.43	- —
l.c.l., same basis	gal.	.48	- —
65-75 vis., dms., same basis,	gal.	.44	- —
l.c.l., same basis	gal.	.49	- —
USP, 80-90 vis., dms., c.l., same basis	gal.	.45	- —
l.c.l., same basis	gal.	.50	- —
125-135 vis., dms., c.l., same basis	gal.	.53	- —
l.c.l., same basis	gal.	.58	- —
145-155 vis., dms., c.l., same basis	gal.	.60	- —
l.c.l., same basis	gal.	.65	- —
175-185 vis., dms., c.l., same basis	gal.	.62	- —
l.c.l., same basis	gal.	.67	- —
200-210 vis., dms., c.l., same basis	gal.	.65	- —
l.c.l., same basis	gal.	.70	- —
335-343 vis., dms., c.l., same basis	gal.	.69½	- —
l.c.l., same basis	gal.	.74½	- —

Oil, Grapefruit—Orange, Chrome

Oil, wintergreen, nat., Northern, cns.	lb.	7.00	-14.50
Southern, cns	lb.	3.65	8.50
synthetic (see Methyl salicylate)			
Wood (see Oil, tung)			
Wormseed, NF, cns	lb.	3.60	- 4.25
Wormwood, cns	lb.	6.25	- 7.50
Ylang-ylang, Bourbon, bots.	lb.	7.00	- 8.25
extra, bots.	lb.	10.00	-11.00
Madagascar, bots	lb.	6.25	6.75
Olein, crude (see Oil, red).			
white, low titre, dms	lb.	.14¾	- .15¾
tankcars	lb.	.13½	- —
Oleostearin, bbls	lb.	.09½	- .10
Olivine, aggregate, c.l., mines	ton.	7.00	9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	10.00	—
paper, bgs., c.l., works	ton.	12.00	—
Opium, USP, cns.	lb.	19.20	-19.45
gran., USP, cns.	lb.	21.65	-21.90
powd., USP, cns.	lb.	21.65	-21.90
Orange, cadmium sulphonone, bbls., frt. alld. E. of Rockies	lb.	1.10	—
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis St. Paul	lb.	.30¼	- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport) 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.



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Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Exchange
OIL OF
ORANGE
U. S. P.

Orange, Chrome, Dinitroanilin—Petroleum

Orange, chrome dinitroanilin toner	lb.	1.15	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld	lb.	.1810-	—
Molybdate	lb.	.43 -	—
Persian, bbls	lb.	.30 -	.45
Orange flowers, bls	lb.	.40	.45
Orange peel, bitter, Haitian, bls	lb.	.13 -	.15
Sweet, bls	lb.	.13 -	.17
Oregano, Mexican, bgs	lb.	.11 -	.11½
Portuguese, bgs	lb.	.18 -	.18½
Sicilian, bgs	lb.	.18 -	.19
Orris root, Florentine, bls	lb.	.20	.25
powdered, bbls., bxs	lb.	.26	.29
Veronа, bls	lb.	.16 -	.21
powdered, bbls., bxs	lb.	.22	.23
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33 -	—
tanks, same basis	lb.	.31 -	—
Orthoamylphenol, dms., c.l., works	lb.	.42 -	—
Orthoanisidin, bbls	lb.	.80 -	—
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60 -	—
smaller lots	lb.	.70 -	—
Orthochloroparanitroanilin, dms., works	lb.	.65½-	.70
Orthochlorophenol, dms., c.l., frt. equald	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald.	lb.	.1930-	.2405
l.c.l., same basis	lb.	.1960-	.2435
ret. dms., c.l., same basis	lb.	.1900-	—
l.c.l., same basis	lb.	.1930-	—
29° C, non-ret. dms., c.l., same basis	lb.	.1830-	.2305
l.c.l., same basis	lb.	.1860-	.2335
ret. dms., c.l., same basis	lb.	.1800-	—
l.c.l., same basis	lb.	.1830-	—

Orthocresol, pure, 25 to 27° C, non-ret. dms., c.l., same basis	lb.	.1630 -	.2080
l.c.l., same basis	lb.	.1660-	.2110
tanks, same basis	lb.	.1500-	.1950
Orthodichlorobenzene, 50-lb. cns	lb.	.12½-	—
100-lb. cns	lb.	.11½-	—
dms., c.l., works, frt. alld. E. of Rockies	lb.	.08½-	—
l.c.l., same basis	lb.	.09½-	—
tanks, same basis	lb.	.07 -	—

Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.

Orthoisopropyl N-phenylcarbanate (see (PC).			
Orthoisopropylphenol, dms., c.l.	lb.	.29 -	—
l.c.l.	lb.	.30 -	—
tanks	lb.	.28 -	—
Orthonitroanilin, dms	lb.	.50 -	.53
Orthonitrochlorobenzene, dms.	lb.	.17 -	.18
Orthonitrobiphenyl, tech., dms., c.l., works	lb.	.19½-	—
l.c.l., works	lb.	.20 -	—
tanks, works	lb.	.18 -	—
Orthonitroparachlorophenol, cns	lb.	.75 -	—
Orthonitrophenol, dms	lb.	.66 -	.77
Orthonitrotoluene, dms.	lb.	.12 -	—
Orthophenetidin, dms., works	lb.	.90 -	—
Orthotoluidin, dms., c.l., works	lb.	.19 -	—
l.c.l., same basis	lb.	.20 -	—
tanks, same basis	lb.	.18 -	—
Orthotolidin, distilled, kgs	lb.	1.10 -	—
Osage orange crystals, bbls., l.c.l	lb.	.33½-	—
extract, liquid, bbls., l.c.l	lb.	.15½-	—
Ouabaine, USP, vials	gram.	3.00	4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up	lb.	2.50 -	—
Oxyquinolin sulphate, cns., 100 lbs. works	lb.	4.25 -	—
smaller lots, works	lb.	4.30 -	5.00

P

Pancreas substance, assay 1:75	lb.	5.75 -	6.25
Pancreatin, USP	lb.	2.50 -	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00 -	—
Papain, powd., NF, cs	lb.	1.75 -	2.50
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots	oz.	5.00 -	—
smaller lots	oz.	5.05 -	5.20
Sulphate, cns	oz.	7.10 -	7.35
Paprika, Chilean, bgs	lb.	.27 -	.30
Portuguese, bgs	lb.	.39 -	.40
Spanish, bgs	lb.	.41 -	.43
Para-anisidin, dms., works	lb.	.80 -	—
Parachlorophenol, dms., c.l., frt. equald	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
Parachloroanilin, dms., frt. alld. E. Miss	lb.	.70 -	—
Parachloro-orthonitroanilin, dms	lb.	No stocks.	
Paracresol, 98%, dms., works	lb.	.50 -	.65
Paracymene, dms., works, 50 gals. or more	gal.	2.50 -	—
smaller quantities	gal.	3.00 -	—
Paradibromobenzene, bgs., 500-lb. lots,	lb.	.11 -	—
Paradichlorobenzene, dms., c.l., works	lb.	.12½-	.14
l.c.l., same basis	lb.		
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y	lb.	.0635-	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0635-	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0635-	—
128-130 ASTM, loose, c.l., ref'y.	lb.	.0640-	—
Paraffin, fully ref'd., 130-132 ASTM, loose, c.l., ref'y	lb.	.0645-	—
132-134 ASTM, louse, c.l., ref'y.	lb.	.0660-	—
135-137 ASTM, loose, c.l., ref'y	lb.	.0705-	—

Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

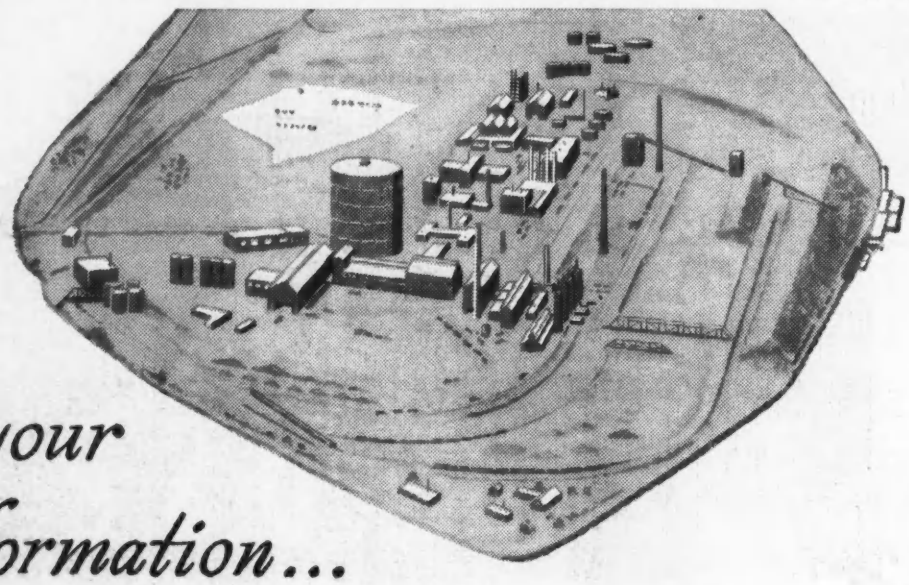
Paraformaldehyde, 94-95%, powd., dms., c.l., works	lb.	.13 -	—
10,000 lbs. to c.l., works	lb.	.14 -	—
1,000-10,000 lbs., works	lb.	.15 -	.18
1,000 lbs., works	lb.	.17 -	—
100 lbs., works	lb.	.20 -	—
91-92%, flake, fib. dms., c.l., works	lb.	.11 -	—
10,000 lbs. or more, works	lb.	.12 -	—
smaller lots, works	lb.	.13 -	—
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works	lb.	.12½-	.13¼
5-10-gal. dms., l.c.l., works	lb.	.16½-	—
tanks, works	lb.	.11 -	—
USP, cbys	lb.	.51 -	.53
Paranitroanilin, kgs., works	lb.	.44½-	—
Paranitrochlorobenzene, kgs., works.	lb.	.18 -	—
Paranitrophenol, kgs., works, frt. equald	lb.	.40 -	—
Paranitrotoluene, kgs., works	lb.	.30 -	—
Paraphenetidin, dms., works	lb.	.80 -	—
Paraphenylphenol, bgs., works	lb.	.28 -	.29
Paraphenylenediamine, crude, dms., works	lb.	.77 -	—
redistilled, dms., works	lb.	2.00 -	—
technical, refined, dms., same basis	lb.	1.25 -	1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald	lb.	.21 -	—
l.c.l., same basis	lb.	.22 -	—
Parathion, tech., dms., works	lb.	1.50	2.50
Paratoluenesulphonamide, bbls., works	lb.	.70 -	—
Paratoluidin, bbls., works	lb.	.55 -	—
Paretra brava root, whole, ogs	lb.	.30 -	.31
ground, bxs	lb.	.35 -	.37
powder, bxs	lb.	.38 -	.40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E	lb.	.31 -	—
l.c.l., same basis	lb.	.32 -	.33
Passion flower herb, bls	lb.	.40 -	.45
Patchouli leaves, bls	lb.	No stocks.	
Peanut meal, 45%, sacked, mills	ton.	62.00 -	—
Pectin, citrous, NF, powd., bbls	lb.	2.05 -	2.06
tech., powd., bbls	lb.	1.42 -	1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.04 -	.05¼
Sodium, USP, unlabeled vials, 100,000 units	vl.	.09½-	—
200,000 units	vl.	.14 -	—
500,000 units	vl.	.29 -	—
1,000,000 units	vl.	.56 -	—
crystalline, potassium, unlabeled, vials, 100,000 units	vl.	.102 -	—
200,000 units	vl.	.15½-	—
500,000 units	vl.	.34 -	—
1,000,000 units	vl.	.67½-	—
bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.04½-	.05¾
regular or pulverized, bulk, 100,000,000 to 25,000,000,000 unit lots.	100,000 units.	.05¼-	.06½
sodium, unlabeled vials, 100,000 units	vl.	.10¾-	—
200,000 units	vl.	.16 -	—
500,000 units	vl.	.35 -	—
1,000,000 units	vl.	.68½-	—
bulk, 100,000,000 to 25,000,000,000 unit lots	100,000 units.	.05¼-	.06½
Pennyroyal leaves, bls	lb.	.28 -	.30
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.20 -	—
l.c.l., same basis	lb.	.23 -	.28
truckload, 20,000 lbs., min., same basis	lb.	.20¼-	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.29 -	—
l.c.l., works	lb.	.31 -	.33

Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).

Pentane, industrial, tanks, group 3	gal.	.10½-	11¼
Pepper, black, bgs	lb.	1.28 -	1.29
Dec. arrival, bgs	lb.	1.27 -	1.28
Dec.-Jan. shipment, bgs	lb.	1.23 -	1.24
Jan.-Mar. shipment, bgs	lb.	1.20 -	1.21
Red, Carolina, source	lb.	.44 -	.45
Hontaka, bgs	lb.	.65 -	.66
Louisiana longs, bgs	lb.	.18	Nom.
Niger, capsicum, bgs., futures	lb.	.40 -	.40½
birdseye, bgs	lb.	.65	Nom.
White, bgs	lb.	2.45 -	2.50
Peppermint, USP, dom., bls	lb.	.50 -	.70
imported, bls	lb.	.80 -	.90
Pepsin, NF, bulk containers	lb.	3.90 -	—
Perchloroethylene, dms., c.l., zone 1, works, frt. alld	lb.	.11 -	—
zone 2, same basis	lb.	.11½-	—
zone 3, same basis	lb.	.12 -	—
zone 4, same basis	lb.	.12 -	—
l.c.l., zone 1, same basis	lb.	.11¾-	—
zone 2, same basis	lb.	.12¼-	—
zone 3, same basis	lb.	.12¾-	—
zone 4, same basis	lb.	.12¾-	—
tanks, zone 1, same basis	lb.	.10½-	—
zone 2, same basis	lb.	.11 -	—
zone 3, same basis	lb.	.11½-	—
zone 4, same basis	lb.	.11½-	—

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms	lb.	.90 -	1.05
Petrolatum, USP, amber, dms., c.l., New York	lb.	.04⅞-	—
l.c.l., same basis	lb.	.05⅝-	—
Cream, dms., c.l., same basis	lb.	.06⅛-	—
l.c.l., same basis	lb.	.08 -	—
Extra amber, dms., c.l., same basis	lb.	.05⅛-	—
l.c.l., same basis	lb.	.06 -	—
white lily, dms., c.l., same basis	lb.	.06⅞-	—
l.c.l., same basis	lb.	.08¼-	—
snow, dms., c.l., same basis.	lb.	.07⅛-	—
l.c.l., same basis	lb.	.08⅛-	—
soft, dms., c.l., same basis	lb.	.06⅜-	—
l.c.l., same basis	lb.	.07⅛-	—
yellow, soft, dms., c.l., same basis	lb.	.05 -	—
l.c.l., same basis	lb.	.05⅜-	—
Petroleum, crude, bulk, at wells, California	bbl.	1.10 -	2.99
Illinois	bbl.	2.45 -	2.87
Kentucky	bbl.	2.42 -	2.83
Louisiana-Arkansas	bbl.	2.08 -	2.90
Montana	bbl.	1.28 -	2.775
Oklahoma-Kansas	bbl.	2.23 -	2.65
Pennsylvania, lower field	bbl.	3.54 -	—
Upper field	bbl.	2.84 -	3.54
Texas, East	bbl.	2.65 -	—
Gulf coast	bbl.	2.38 -	2.95
North, North-Central	bbl.	2.23 -	2.65
Panhandle	bbl.	2.23 -	2.65
West	bbl.	2.10 -	2.65
Wyoming	bbl.	1.28 -	2.675



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Naphthalene—74° and 78°
Para Amino Phenyl Mercuric Acetate
Phenol
Hydrochloric Acid—20° and 22°
Picoline—Alpha, Beta and Gamma
Pyridine—Medicinal and Industrial
Sodium Cyanide
Sodium Thiocyanate
Sulphate of Ammonia
Sulphuric Acid—60°, 66° and Oleum
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Tar—Crude and Road
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2,4,5-T Ester Concentrates
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Parathion—Wettable Dust Concentrates
Parathion—Dry Dust Concentrates
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Pittsburgh Coke & Chemical Company

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Petroleum, ether, laboratory, 30°-60° C, cns., dlvd. E.	gal.	1.50	—
dms., c.l., group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
35°-60° C, 10-gal. cns., dlvd. E.	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	44	—
40°-75° C, 10-gal. cns., dlvd. E.	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
90°-160° C. ret. dms., ex tax, f.o.b. San Francisco	gal.	.57	—
Fuel oil, bunker C, No. 6, California, heavy, tanks, refinery	bbl.	1.25	- 1.35
light, tanks, refinery	bbl.	1.65	- 2.10
eastern, tanks, Albany, N. Y.	bbl.	2.40	—
Baltimore, Md.	bbl.	2.06	—
Boston, Mass.	bbl.	2.10	—
Charleston, S. C.	bbl.	2.03	—
Jacksonville, Fla.	bbl.	2.02	- 2.03
New York, N. Y.	bbl.	2.05	- 2.10
Norfolk, Va.	bbl.	2.06	—
Philadelphia, Pa.	bbl.	2.06	—
Portland, Me.	bbl.	2.13	—
Providence, R. I.	bbl.	2.075	—
Savannah, Ga.	bbl.	2.03	—
Diesel, tanks, refinery, California	gal.	.081	- .115
Pennsylvania	gal.	.0875	- .09
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.05875	—
No. 3	gal.	.06375	—
Bayonne, N. J., No. 2	gal.	.063	—
Group 3 No. 1	gal.	.075	- .07875
No. 1, straw	gal.	.075	- .08
No. 2, straw	gal.	.06625	- .085
range	gal.	.075	- .0875
Pennsylvania, No. 1	gal.	.0925	- .095
No. 2	gal.	.0875	- .095
No. 3	gal.	.0875	- .09
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147	—
255 F, b.r., tanks, ex-tax, Portland, Ore.	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash.	gal.	.158	—
East coast, tanks, N. J. and N. Y. refinery	gal.	.16	—
Group 3, benzol-type, tanks, refinery	gal.	.12125	—
toluol-type, tanks, refinery	gal.	.11125	- .11375
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	.152	—
205-295 b.r., tanks, same basis	gal.	.152	—
245-360 b.r., tanks, same basis	gal.	.152	—
305-362 b.r., tanks, same basis	gal.	.142	—
312-400 b.r., tanks, same basis	gal.	.142	—
360-455 b.r., tanks, same basis	gal.	.152	—
East coast, tanks, N. J., N. Y., refinery	gal.	.14	—
group 3, tanks	gal.	.09875	- .10375
tank-wagon, Baltimore	gal.	.175	—
Boston	gal.	.16	—
Buffalo	gal.	.165	—
Camden, N. J.	gal.	.15	—
Chicago	gal.	.197	—
Detroit	gal.	.214	—
Kansas City, Mo.	gal.	.182	—
Newark	gal.	.15	—
New York	gal.	.15	—
Philadelphia	gal.	.14	—
Pittsburgh	gal.	.175	—
Providence	gal.	.165	—
Rochester	gal.	.16	—
St. Louis	gal.	.19	—
Syracuse	gal.	.19	—
Washington, D. C.	gal.	.175	—
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery	gal.	.14	—
Group 3, tanks	gal.	.10875	—
tankwagon, St. Louis	gal.	.19	—
Newark	gal.	.15	—
Chicago	gal.	.197	—
Detroit	gal.	.214	—
New York	gal.	.15	—
Philadelphia	gal.	.14	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.13	- .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal	gal.	.20	- .21
25-26° C., m.a.p., tanks, same basis	gal.	.19½	- .24
270-370 b.r., 78-81° C., m.a.p., tanks, same basis	gal.	.23½	—
49° C., m.a.p., tanks, same basis	gal.	.26½	—
26-27° C., m.a.p., tanks, same basis	gal.	.19½	- .24½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis	gal.	.19½	- .26½
340-410 b.r., 27° C., m.a.p., tanks, same basis	gal.	.30½	—
32° C., m.a.p., tanks, same basis	gal.	.19½	—
36° C. m.a.p., tanks, same basis	gal.	.19½	—
340-440 b.r., 32° C., m.a.p., tanks, same basis	gal.	.25½	- .27
360-480 b.r., 25° C., m.a.p., tanks, same basis	gal.	.19½	—
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147	—
Portland, Ore.	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash.	gal.	.158	—
East coast, N. J., N. Y., tanks,	gal.	.15	—
Group 3, tanks	gal.	.10875	- .11375
tankwagon, Boston	gal.	.175	—
Chicago	gal.	.207	—
Detroit	gal.	.224	—
Milwaukee	gal.	.209	—
Minneapolis	gal.	.207	—
Newark	gal.	.165	—
New York	gal.	.165	—
Philadelphia	gal.	.165	—
Pittsburgh	gal.	.185	—
St. Louis	gal.	.20	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	1.52	—
East coast, N. J., N. Y.,	gal.	.15	—
Group 3 tanks	gal.	.10375	- .11375
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157	- .195
East coast, N. J., N. Y., tanks	gal.	.14	—
Group 3, tanks	gal.	.10375	- .10875
Pennsylvania, western, tanks	gal.	.10	—
Tankwagon, Boston,	gal.	.16	—
Chicago	gal.	.197	—
Detroit	gal.	.214	—
Milwaukee	gal.	.199	—
Minneapolis	gal.	.197	—
Newark	gal.	.15	—
New York	gal.	.15	—
Philadelphia	gal.	.14	—
Pittsburgh	gal.	.175	—
St. Louis	gal.	.19	—
Syracuse	gal.	.19	—
Sulphonate, 70% sulphonic content, ret. dms., c.l., works	lb.	.1715	—
l.c.l., works	lb.	.1750	—
tanks, works	lb.	.1525	—
Petroleum sulphonate, 50% sulphonic content, ret. dms., c.l., works	lb.	.1365	—
l.c.l., works	lb.	.1400	—
tanks, works	lb.	.1175	—
Phenobarbital, USP, dms., 100 lbs.	lb.	4.00	4.35
Phenobarbital-sodium, USP, dms	lb.	4.00	4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies.	lb.	.1275	—
l.c.l., same basis	lb.	.1350	—
tanks, same basis	lb.	.1100	—
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.1275	—
l.c.l., same basis	lb.	.1350	—
tanks, same basis	lb.	.1100	—
USP, dms., c.l., same basis	lb.	.13½	- .14¼
l.c.l., same basis	lb.	.1425	.1500
tanks, same basis	lb.	.1250	—
Phenolphthalein, USP yellow, bbls., dms., 2,000 lbs	lb.	1.00	—
smaller lots	lb.	1.02	1.07
Phenothiazin, NF, fib. dms., 10,000 lbs., works	lb.	.44	—
smaller lots, works	lb.	.46	—
Phenylacetaldehyde solution, 50%, bots	lb.	2.35	2.65
100%, bots	lb.	4.00	4.75
Phenylacetamide, dms., works, lots	lb.	1.25	—
smaller lots	lb.	1.30	1.60
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	—
Salicylate (see Salol).			
Phenylalanine dextro laevo, dms., works	lb.	30.00	-37.50
Phenyldiethanoamine, dms., cl., works	lb.	.35½	—
l.c.l., works	lb.	.36½	—
Phenylethanolamine, dms., c.l., works	lb.	.67½	—
l.c.l., same basis	lb.	.68½	—
Phenylethyl acetate, dms	lb.	1.45	2.70
Phenylethylphenyl acetate, bots	lb.	3.75	- 6.00
Phenylhydrazin base, CP, bots	lb.	3.00	- 3.07
Hydrochloride, CP, bots., works.	lb.	5.00	- 5.07
commercial, kgs., works	lb.	1.75	—
Phenylmethylpyrazolone, dms., works.	lb.	1.58	- 1.60
Phlororglucinol, CP, fib. dms., works	lb.	13.75	-15.75
commercial fib. dms., works	lb.	4.50	- 7.00
tech., fib., dms., works	lb.	10.00	-10.75
Phosgene, 150-lb. cyls., works	lb.	.20½	—
10-lb. cyls., works	lb.	1.50	—
Phosphate, defluorinated (see under D)			
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-68%, b.p.l., bulk, c.l., car at mine	long ton.	3.753	—
70%-68%, b.p.l., c.l., same basis	long ton.	4.153	—
72%-70%, b.p.l., c.l., same basis	long ton.	4.803	—
75%-74%, b.p.l., c.l., same basis	long ton.	5.803	—
77%-78%, b.p.l., c.l., same basis	long ton.	6.903	—
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum	short ton.	4.93	—
68% b.p.l., basis 31% P_2O_5 minimum	short ton.	5.28	—
70% b.p.l., basis 32% P_2O_5 minimum	short ton.	5.83	—
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.			
Tennessee, brown run of mine, unground, 27-28% P_2O_5	long ton.	6.43	—
30-29% P_2O_5	long ton.	7.21	—

Petroleum Ether—Pitch, Cottonseed

Phosphorus, red, amorphous, cs.	lb.	.33	- .38
tins, export	lb.	.34	- .37
Yellow, cns.	lb.	.30	- .37
dms., c.l.	lb.	.26	—
Oxychloride, dms., works	lb.	.12	- .15
Pentasulphide, dms., c.l., works	lb.	.11	—
l.c.l., dms., works	lb.	.12	- .13
Pentoxide, dms., c.l., works	lb.	.12	—
c.l., works	lb.	.13	- .14
Sesquisulphide, tins, cs., works	lb.	.38	- .39
dms., export	lb.	.33½	- .38
Trichloride, dms., c.l., works	lb.	.12	- .15
l.c.l., works	lb.	.13	- .16
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald.	lb.	.21½	—
l.c.l., same basis	lb.	.22½	—
Phthalimide, bbls., works	lb.	1.10	- 1.37
Pichi leaves, bgs	lb.	.07	- .08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, USP, bots	oz.	8.00	—
Pilocarpine hydrochloride, NF, bots., vials	oz.	6.50	- 7.50
Nitrate, USP, bots, vials	oz.	6.25	- 7.25
Pimento, Jamaica, bgs	lb.	.22½	- .23
Pinetar, retort, dms., incl., c.l., works, South	lb.	.043	—
l.c.l., same basis	lb.	.0473	—
whse., N.Y.C.	lb.	.0595	—
tanks, works, South	lb.	.035	—
Pinkroot, bls	lb.	1.60	- 1.70
Piperidine, 95%, dms., frt. equald.	lb.	1.63	—
98%, dms., same basis	lb.	1.75	—
Piperazine hexahydrate, bots.	lb.	8.50	- 9.00
Pipsissewa herb (see Prince's pine).			
Pitch, coaltar, 150°F. m.p., bbls., c.l., works	ton.	34.00	—
l.c.l., works	ton.	36.00	-37.00
Cottonseed, dms., works	lb.	.08	- .08½

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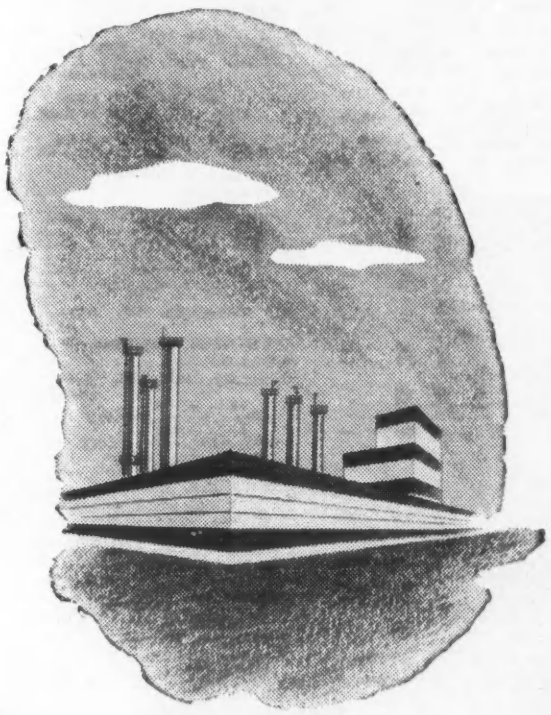

Also available are:

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CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Pitch, Hardwood—Soda, Sal

Pitch, hardwood, paper bgs., c.l., works lb. .02 - —
Linseed, dms. lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 4.97 - —
Soybean, dms., works lb. .06½ Nom.
Plaster of paris (see Gypsum).
Platinum metal, works oz. 69.00 -72.00
Pokeroot, bls lb. .13 - .14
Pleurisy root, bls lb. .25 - .26
Podophyllin, NF, dms lb. 12.45 - —
Polystyrene, plain colors, dms., 29,020 lbs., frt. alld lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .32 - —
smaller lots, same basis lb. .34 - —
special colors, dms., 29,020 lbs., same basis lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .35 - —
smaller lots, same basis lb. .37 - .50
water-clear, dms., 29,920 lbs., same basis lb. .26 - —
20,020 lbs. to 20,920 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - —
Polystyrene in bgs. ½c. per lb. lower.
Pomegranate root bark, bgs. lb. .68 - .70
Poppy flowers, bls lb. .30 - .35
Seed, Dutch, bls lb. .18½ - .19
Polish, bgs lb. .16 - .16½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
l.c.l., works 100 lbs. 10.50 - —
liquid, dms., c.l., 45%, works, 100 lbs. 4.525 - —
l.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
l.c.l. works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0815- —
l.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works lb. .03725- —
l.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works, lb. .0755- —
l.c.l. works, lb. .0830- —
Potassium abietate lb. .06 - —
Acetate, USP, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., c.l., works lb. .12¾ - —
l.c.l., works lb. .12½ - .13¾
Potassium bichromate in bbls., ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .48 - —
25-200 lbs lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
l.c.l., same basis lb. .0855- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., l.c.l., works lb. .07 - —
USP, gran., bbls., dms lb. .16½ - .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
l.c.l., works lb. .09¾ - —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
export, kgs., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .38½
powder, dms. lb. .40½- .41½
Cyanide, dms., works lb. .52½- .55
Fluoride, dms., works lb. .24 - —
Glutonate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic), USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, 50-lb. lots, fib. dms lb. .90 - .93
Iodide, dms lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton. .37½- —
Trona, Cal unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, kgs., c.l., works lb. .13½ - —
dms., l.c.l., works lb. .14 - .15
Permanganate, tech., dms., works, lb. .21¾ - .22¾
USP, dms., works lb. .23½ - .24
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., works, lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .18 - —
Silicate, glass, bgs., c.l., works ton. 200.00 - —
l.c.l. 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works 100 lbs. 5.50 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 - .08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works ton. 32.50 - —
indust, bulk, works ton. 36.00 - —
NF, cryst., bbls lb. .31 - .33
gran., dms lb. .18½ - —
powder, dms lb. .17 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, cryst., NF, dms lb. .70 - .78
tech., works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .13
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton. 14.50 - —
Potassium-sodium ferricyanide, kgs., works lb. .50 - .53
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Prickly ash bark, bls lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls lb. .50 - .55
Procaine hydrochloride, USP, dms., contract, 1,000-lb. lots lb. 3.75 - 4.50
1,000-lb. lots lb. 4.50 - —
smaller lots lb. 4.00 - 5.00
Progesterone, USP, 100 gms gm. 1.75 - —
Propane, commercial grade, cans, group 3 gal. .02½- —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 2.40
Propylene dichloride, dms., c.l. lb. .08½ —
l.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .18½- —
l.c.l., frt. alld. E lb. .19½- —
tanks, frt. equald. E lb. .16½- —
Propyleneglycol, NF, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more, works kilo. 55.00 - —
smaller lots, works kilo. 55.10 -55.30
Psyllium seed, black, bgs lb. .22 - .25
blonde, bgs lb. .19 - .21
husks, bgs lb. .45 - .55
Pulsatilla herb, bls lb. .45 - .50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots, lb. .03⅜- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03⅜- .04¼
fine, bgs., ton lots lb. .03⅜- —
smaller lots lb. .03⅝- .04
Italian, silk-screen, fine, bgs., ton lots lb. .04 - —
coarse, bgs., ton lb. .05½- —
sun dried, fine, bgs., ton lots lb. .03 - —
coarse, bgs., ton lots lb. .04½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 - .26
Purple lake (see Red)
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb. 10.75 -11.00
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 9.00 - 9.50
regular base, dms., works gal. 8.90 - 9.40
(30 to 1) base, 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 13.30 - —
regular base, dms., works, gal. 13.20 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .53 - .56
Pyridin, denaturing, dms., works and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 2.72
refd., 2°, non-ret. dms., c.l., same basis lb. .74½- —
l.c.l., same basis lb. .75 - —
ret. dms., c.l., same basis lb. .79 - —
l.c.l., same basis lb. .79½- —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. All ports, long ton 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton. 11.00 -11.50
230 mesh bulk, c.l., mines ton. 12.00 - —
325 mesh, bulk, c.l., mines ton. 15.00 - —
No. 3, 200 mesh bulk, c.l., mines, ton. 9.50 - —
Insecticide grade, 200 mesh, bgs., c.l., mines ton. 12.00 -12.50
rubber grade, 140 mesh, bgs., c.l., mines ton. 10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —
USP, bots., dlvd lb. 9.54 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .16½ Nom.
liq., 35% tannin, bbls., works, lb. .08½ Nom.
tanks, same basis lb. .07¾ Nom.
solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin, bgs., c.l., same basis lb. .17 Nom.
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis lb. .08 5/16
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 - .15
Quercitron crystals, bbls., l.c.l lb. .33½- —
Extract, liquid, bbls., l.c.l lb. .14½- —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask. 71.00 - —
smaller lots lb. 73.00 -75.00
Quince seed, bgs lb. .90 - 1.50
Quinidine, NF V, cryst., cns oz. 1.90 - —
powd., precip., cns oz. 1.85 - —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 - —
Quinine, hydrobromide, NF, cns., 50-oz. cns oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. lb. .63 - —
Phosphate, NF, cns., 100 ozs oz. .76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP, cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns lb. .68 - —
Quinolin, dms., c.l., works lb. 50¾ .54½
l.c.l., same basis lb. .51¼- .55
tanks lb. .50 .51

R

R salt, paste, dry basis, dms. lb .70 - .75
Raspberries, dried, bbls lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.45 - 2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, CP, dark shade, bbls., frt. alld., E. of Rockies lb. 3.65 - —
light shade, bbls., same basis, lb. 3.50 - —
medium shade, bbls., same basis lb. 3.60 - —
medium-light shade, bbls., same basis lb. 3.55 - —
orange shade, bbls., same basis lb. 3.15 - —
orange-red shade, bbls., same basis lb. 3.35 - —
lithopone, deep shade, bbls., same basis lb. 1.35 - —
light shade, bbls., same basis lb. 1.20 - —
maroon shade, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red shade, bbls., same basis lb. 1.15 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar)
Eosin toner, bbls., works lb. 1.40 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb 11½- 11¾
Iron oxide, synth., bgs lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works, lb. 1.05 - —
Lithol toner, bbls., works lb .80 - —
Lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 .43
toner, bbls., works lb. 1.35 1.50
Cadmium, deep, bbls., works lb. 1.20 —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. 06¾ .07
Para toner, bbls lb. .85 .88
chlorinated, kgs lb. .95 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner)
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake, alizarin, bbls., works lb. .20 - .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. 06¼ —
Toluidin toner (MNPT), kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 2.19
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF lb. 6.50 - —
Resorcinol, industrial, dms., c.l., works lb. .62 - —
l.c.l., works lb. .63 - —
tech., dms., c.l., works lb. .74 - —
l.c.l., works lb. .75 - —
USP, cryst., dms., works lb. 2.50 - —
powd., dms., works lb. 2.70 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhatany root, bgs lb. .12 - .14
Rhubarb root, whole, cs lb. 1.10 - 1.20
powd., bbls lb. 1.30 - 1.40
Riboflavin, USP, bots kilo. 125.00 - —
Readily soluble, bots kilo. 125.00 - —
Rice bran concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs lb. .27½- —
smaller lots .28 - .33
Rose flowers, pale, bls lb. .20 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .17
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .07½- .08
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.50 - —
G, H, I, dms., c.l., works 100 lbs. 6.46 - —
K, dms., c.l., works 100 lbs. 6.46 - —
M, dms., c.l., works 100 lbs. 6.46 - —
N, dms., c.l., works 100 lbs. 6.46 - —
WG, dms., c.l., works 100 lbs. 6.66 - —
WW, dms., c.l., works 100 lbs. 6.96 - —
X, dms., c.l., works 100 lbs. 7.06 - —
Rotenone, CP, bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb, bls lb. .35 .40
Rutin, 10 kilos, fib. dms gram. .05½- .06
5 kilos, fib. dms gram. .05½- .06
smaller lots, fib. dms gram. .06 - .08

S

Sabadilla seed, powd., bbls lb. .45 - .50
activated ground with lime, bbls lb. .26 .27
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.53 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .80 - .85
Saffron, Mexican, bls lb. .95 - 1.00
Spanish, USP, tins lb. 17.00 -18.00
Safrol, dms lb. .68 .75
Sage, Cyprus, bales, futures lb. .12 - .13
Dalmatian, bls lb. .70 - .71
Greek, fancy, bls lb. .25 - .26
Spanish, bls lb. .10 - .10½
Sago flour, bgs lb. .05¼- .05½
Saligenin, ctns., works lb. 14.00 -25.00
Salol, NF, gran., bbls., kgs lb. 1.00 —
fib. dms lb 1.02 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. .98 - 1.08
l.c.l., dlvd. 100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, dlvd, 100% Na_2SO_4 basis ton. 22.00 - —
Saltpeter, cryst., bbls., 10 tons, 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 -11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 -12.00
NF, gran., dms lb. .15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms. lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin, NF, cryst., powd., cns. kilo. No stocks.
Saponin No. 1, cns lb. 2.45 - —
Sarsaparilla root, dom., bls lb. .30 - .40
Honduras, bls. lb. .40 - .45
Mexican, bls lb. .24 - .30
Sassafras bark, ord., bls lb. .35 - .40
select, bls lb. .50 - .55
Savory, French, bls lb. .14 - .15
Spanish, bls lb. .12 - .12½
Saw palmetto berries, bgs lb. .23 - .24
Scammony resin, lump, cns lb. 2.10 - 2.25
powd., cns lb. 2.20 - 2.30
Root, bgs lb. .11 - .14
Schaeffer's salt, bgs lb .60 - .67
Scopolamine hydrobromide, bots oz. 20.50 -24.50
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .25¾- —
smaller lots lb. .26¼- —
dms., 100 lbs. or less lb. .27¼- .31¼
Selenium, powd., cns., 10-lb. lots lb. 2.10 —
cs., 1,000-lb lots lb. 2.00 —
Senega root, bls lb. 1.60 - 1.65
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls lb. .17 - .24
No. 2, bls lb. .14 - .19
No. 3, bls lb. .10 - .11
Pods, bls lb. .12 - .15
powdered, bls., bxs lb. .16 .22
Serpentaria root, bls lb. 2.20 - 2.30
Sesame seed, Chinese, white, nat., bgs lb. .11½- .12
hulled, bgs lb. .20 - .21
Nicaragua, hulled lb. .22 - .25
Salvadorean lb. .13 - .13½
Turkish, yellow lb. .14½- .15
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .58½- —
bbls., 1,500-lb. lots lb. .59 - —
kgs., 1,500-lb. lots lb. .61 - —
refined, bgs., 1,500-lb. lots lb. .68½- —
bbls., 1,500-lb. lots lb. .69 - —
kgs., 1,500-lb. lots lb. .71 - —

bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .53 - .54
No. 2, bgs lb. .50 - .51
Superfine, bgs., 10 bgs lb. .47 - .48
TN, bgs., 10 bgs lb. .45 - .46

Shellac in 1 to 9 bgs., 1c. more.

Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l., works ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb .18½- .20½
Silver bullion, ingots, cs oz. 73¾- —
Cyanide, fib. dms., 2,2500-oz. lots, oz. .66¾- —
1,000-oz. lots oz. .67 - —
500-oz. lots oz. .67¼- —
100-oz. lots oz. .67½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46¾- —
1,000-oz. lots oz. .48 - —
500-oz. lots oz. .48¾- —
250-oz. lots oz. .49 - —

USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls lb. .85 Nom.
Skullcap herb, Eastern, bls lb. .60 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .30 - .35
Slate flour, bgs., c.l., works ton. 11.00 -12.00
l.c.l., ex whse ton. 20.00 -60.00
Sloe berries, bgs lb. .33 - .35
Smalt, black, ctns lb. .11 —
Blue, ctns lb. .16 —
Snakeroot, Canada, bls lb. .40 - .45
Soapbark, bls lb. .20 - .23
crushed, bls., bbls lb. .22 - .26
cut, foreign, bbls lb. .23 - .26
powd., bbls lb. .27 .29
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
l.c.l., stock points 100 lbs. 2.75 4.52
bbls., c.l., works 100 lbs. 2.00 —
l.c.l., stock points 100 lbs. 3.25 5.02
bulk, c.l., works 100 lbs. 1.10 —
light, 58%, paper bgs., c.l., works 100 lbs. 1.25 - —
l.c.l., stock points 100 lbs. 2.65 4.42
bbls., c.l., works 100 lbs. 1.90 —
l.c.l., stock points 100 lbs. 3.15 4.92
bulk, c.l., works 100 lbs. 1.00 —
Caustic, flake, powd., 76% dms., c.l., works 100 lbs. 3.45 —
l.c.l., stock points 100 lbs. 4.80 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 —
rayon-type, tanks, works, dry basis 100 lbs. 2.40 2.50
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 —
solid, 76%, dms., c.l., works 100 lbs. 3.05 —
l.c.l., stock points 100 lbs. 4.40 6.27
Sal, bgs., c.l., ex car 100 lbs. 1.55 —
l.c.l., bgs., ex whse 100 lbs. 1.75 —

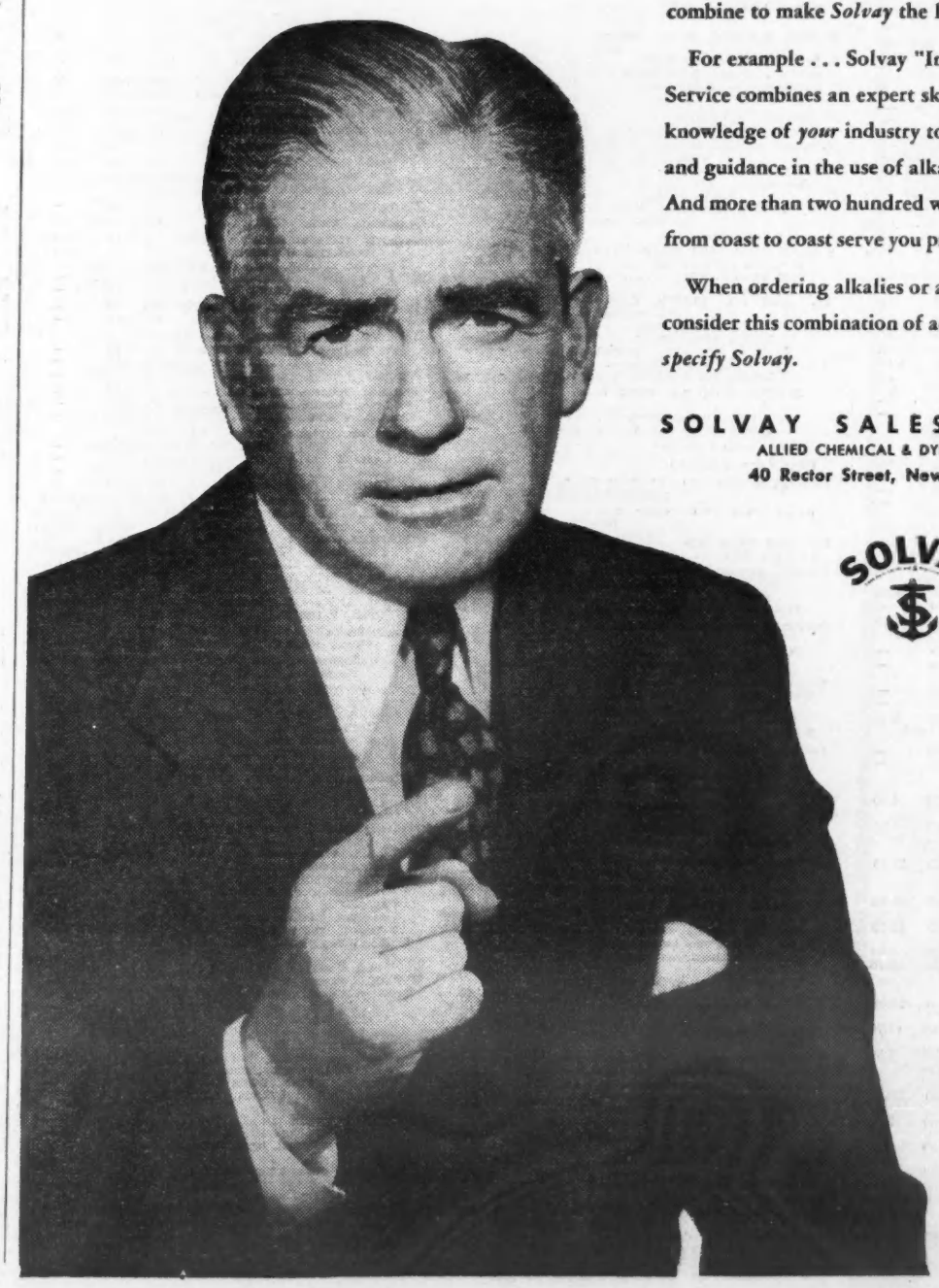
Soda-lime, USP, dms.....lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works.....lb. .16 - —
Sodium alginate, refined, water soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works lb. .48 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots ..... lb. 1.30 1.65
Aluminate, 20,000 lbs., or more, bgs..100 lbs. 8.50 - —
under 20,000 lbs., works.100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd ..... lb. .32 —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. .13¼ - .14¼
solution, dms., works .....gal. .70 - 1.00
l.c.l., works ..... lb. .11¾ - .11⅞
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
l.c.l., works ..100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l. works 100 lbs. 2.60 - —
Bichromate, bgs., c.l., works....lb. .10 - —
l.c.l., works ..... lb. .10¼ - .10⅝
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis lb. .13½ - —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
l.c.l., works ..... 100 lbs. 2.90 - —
Bisulphite, powd., bags, c.l., works ..100 lbs. 3.75 - —
l.c.l., works ..100 lbs. 4.00 - —
solut. 35° bbls., c.l., works. 100 lbs. 1.10 - —
l.c.l. works 100 lbs 1.50 —
Borate (see Borax).
Bromide, USP, bbls., kgs., works lb. .33 .34
Cacodylate, NF, bots., dms....lb. 7.00 - 8.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, gran., dms.. lb. .05¾ .06¼
Chlorate, cryst., dms., c.l., works. lb. .07½ - —
l.c.l., works ..... lb .07¾ - .08¼
powd., kgs., works ..... lb .09 —
Chloride, tech. (see Salt).
USP, dms .....lb. .21 - —
Chlorite, tech., dms., works lb .75 —
Chloroacetate, tech., dms., c.l., works..lb. .20 —
l.c.l., dms., works ..... lb. .21 .22
Chromate, bbls., dms., c.l., works. lb. .11⅜ - —
Citrate, USP VIII, bbls.....lb. .21½ - —
dms. .....lb. .22½ .26½
USP XIII, gran., bbls.....lb. .28 —
dms. .....lb. .29 .33
Sodium citrate, USP XIII, powd., prices ½c. higher
Cyanate, dms., ton lots, works lb. .75 —
smaller lots, works ..... lb. .85 —
Cyanide, 96-98%, dms. .....lb. .16 .13
Diacetate, 33-35% acidity, bbls., works lb. .11½ 12⅛
anhydrous, dms., works.....lb. .14 .15½
Fluoride, white, 90%, bbls., c.l., works. lb. .10½ —
l.c.l., works .....lb. .10¾ - —
95%, bbls., c.l., works.....lb. .10¾ - —
l.c.l., works ..... lb. .11 —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, tons ..... lb.11.00 - —
Formate, bgs., c.l., dlvd....100 lbs. 7.10 - —
l.c.l. .....100 lbs. 8.15 —
Gluconate, dms. ..... lb. .83 .85
Glutamate, monobasic, kgs....lb. 1.53 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. ..... lb. 1.70 - 1.85
solution, 75%, cbys..... lb. .96 - 1.06
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld ..... lb. .21½ - .22
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms..... lb. .23 —
Hypophosphite, NF, 50-lb. lots, dms lb. .85 .98
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald .. 100 lbs. 3.50 - —
l.c.l., same basis....100 lbs. 3.90 - —
pea cryst., bgs., metro area.. 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars .....lb. 2.47 2.66
Lactate, edible, 50%, dms., c.l., works..lb. .18 - —
l.c.l., dms., works ..... lb. .18¾ - —
tech., 50%, dms., c.l., works lb. .12½ .15
l.c.l., dms., works lb .13 .15¾
Metaborate, octa-hydrate, gran., bgs., c.l., works ton.73.00 —
l.c.l., works .....ton.118 00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 —
Sodium metaborate in bbls., $20 per ton higher
Metal, dms., works.....lb. .18½ - —
Metanilate, bgs. .....lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 —
l.c.l. ..... 100 lbs. 4.35 4.60
bbls., c.l., works .... 100 lbs. 3.65 —
l.c.l. 100 lbs. 4.75 5.00
Molybdate, anhyd., works lb. .51½ - .63
Monohydrate, bgs., c.l., works .. 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 —
Naphthionate, bbls ..... lb. .60 .65
Nitrate, crude, dom., bgs., c.l., works ton.48.50 - —
bulk, c.l., wnrks lb.45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse ton.51.50 - —
bulk, c.l., same basis...ton.48.00 - —
USP, dms ..... lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾ - —
West coast ports 100 lbs. 8.00 8.05
l.c.l., dlvd ..... 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works ..100 lbs. 5.25 - —
l.c.l., same basis ..100 lbs. 5.55 7.10
hydrated, flake, buls., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works..lb. .09½ - —
Para-aminosalicylate, dms., 1,000 lbs. or more, works..lb. 8.00 - —
smaller lots, works.....lb. 8.05 - 9.00
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½ - —
l.c.l., same basis.....lb. .22½ - .24½
pellets, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .22 - .24

Sodium pentachlorophenate, powd., bgs., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works .....lb. .18¾ - —
l.c.l., works ..... lb. .19¼ - —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .18 - —
l.c.l., same basis .....lb. .18½ - .19
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd., dms. ..... lb. .41 - .42
Phosphate, dibasic, anhydr, bgs., c.l., works..100 lbs. 6.75 - 7.00
l.c.l., works ... 100 lbs. 7.25 7.50
cryst., bgs., c.l. works, 100 lbs. 3.35 3.60
l.c.l., works 100 lbs. 3 75 4.00
USP, dried, powd., dms., works..lb. .20 .20½
monobasic, anhyd., bgs., c.l., works 100 lbs.10.00 - —
l.c.l., works 100 lbs.12.85 —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs..... lb. .12½ - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.00 - —
ferric, dms., 1.500 lbs., works. lb. .30 —
smaller lots, works lb. .31 —

Sodium pyrophosphate, tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.90 - —
l.c.l., frt. equald..100 lbs. 7.40 - —
Ricinoleate, tech., bbls..... lb. No stocks.
Salicylate, USP, dms ..... lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.93 - —
bbls., c.l., works 100 lbs. 2.45 —
Sesquicarbonate, bgs., l.c.l., bgs., dlvd. zone 1..100 lbs. 3.70 - 4.10
zone 2 ....100 lbs. 3.96 - 4.36
zone 3 .....100 lbs. 4.25 - 4.65
zone 4 .....100 lbs. 4.96 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Sesquisilicate, bbls., c.l., works .. 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 5.65
Silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works ..... 100 lbs. 1.25 1.35
tanks works ton.16.00 -17.00
52°, turbid, dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks, works ..... ton.32.00 —

Sodium silicofluoride, bbls., c.l., works..lb. .04 - —
l.c.l., works ..... lb. .04½ - —
Stannate, dms., works, frt. alld. E. lb. .460 - .513
Stearate, tech., bbls., works...lb. .40 —
USP, anhyd., bbls., works lb. .51 .56
Sulphanilate, bbls. works lb 22 —
Sodium sulphate, NF VII, dried, gran., dms lb. .20 - .23
tech. anhyd. bgs. c.l., works. 100 lbs. 2.10 —
l.c.l., works 100 lbs 2.35 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls .....lb. .17 - .19
gran., bbls. .....lb. .15½ - .17½
Sulphide, flake, bbls., c.l., works. frt. equald 100 lbs. 4.50 —
l.c.l., same basis 100 lbs. 5.00 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 —
l.c.l. same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l. same basis 100 lbs. 3.25 3.75
crystals, bgs., c.l., works 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.40 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb .81 .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾ - —
l.c.l., works lb. .06¼ - —
liquid, 45% basis 100%, tanks, works ..ton.90.00 - —

"Why You Should Specify SOLVAY"



Chemicals are not bought on the basis of price and specifications alone. Other factors must be considered . . . plant facilities, plant locations, length of experience, Technical Service, convenience of warehouse locations for prompt and economical delivery. All these combine to make *Solvay* the logical choice for alkalies.

For example . . . Solvay "Industry-Wise" Technical Service combines an expert skill in alkalies with an intimate knowledge of *your* industry to offer invaluable counsel and guidance in the use of alkalies and associated chemicals. And more than two hundred warehouses and stock points from coast to coast serve you promptly and economically.

When ordering alkalies or associated chemicals, consider this combination of advantages and you, too, will *specify Solvay.*

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

SOLVAY

Soda Ash
Caustic Soda
Caustic Potash
Chlorine
Potassium Carbonate
Calcium Chloride
Nytron
Sodium Bicarbonate
Specialty Cleansers
Ammonium Bicarbonate
Sodium Nitrite
Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Methanol
Ammonium Chloride
Formaldehyde

Sodium Thiocyanate—Wax, Candelilla

Sodium thiocyanate, CP, dms... lb. .55 - .65
tech., dms., works... lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, crvst., bbls lb. .10 .12
Titanate, ctns., c.l., works... lb. .10 - —
5 tons, works... lb. .10¼- —
1 ton or less, works... lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l. 100 lbs. 7.65 - —
Tungstate, tech., kgs., works lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .22 .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar tanks, works gal. .25 - .3233
high-flash, tanks, works gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .25 - —
150 F. flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. 15¾- —
Soybean meal, 41% bulk, Decatur ton.56.00 -57.00
protein, chemically isolated, 40,000 lbs., works lb. .19 - —
20,000 lbs., works lb. .19¼- —
smaller lots., works lb. .19½- .23
mechanically refined, bgs., 40,000 lbs., works lb. .0375- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns oz. 1.00 - 2.95
Spearmint leaves, bls lb. .52 - .55
Spikenard root, bls. lb. .40 .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine, leaves, bls lb. .33 - .38
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls. lb. .11 - .13
powd., bbls., bxs lb. .16 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.27 - —
Chicago ...100 lbs. 4.62 - —
l.c.l. ...100 lbs. 5.42 - —
powd., paper bgs., c.l. ...100 lbs. 5.38 - —
Chicago ...100 lbs. 4.73 - —
l.c.l. ...100 lbs. 5.53 - —

Prices for corn starch in cotton bags, 17c. higher.

Potato, bgs., c.l., Idaho, works lb. .05¼- .05½
Maine, works lb. .05 - —
l.c.l., spot lb. .07 - .07¼
Rice, bgs. lb. .10½- —
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0596- .0646
Stavesacre seed, bgs lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .19 - .20
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide, NF, cns. dms., lb. .62 —
Carbonate, 90%, dms lb. .15½- .16½
Chloride, tech., bbls lb. .22 .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 1.32
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 2.85
Strophanthin, NF, bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 3.00 - 3.25
Strychnine, NF, powd., cns. 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots lb. 2.50 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms., works lb. 4.25 - 4.60
Sulphabenzamide sodium, dms., works lb. 4.25 - 4.60
Sulphadiazin, USP, dms, works lb10.25 -10.75
free flowing crystals, dms., works lb.11.25 -11.75
micro crystals, 99.9%, not over 10 microns, dms., works, lb.10.40 -10.90
Sulphadiazin sodium, USP, dms., works lb.11.25 -11.75
Sulphaguanidin, USP dms., works, lb. 4.50 4.60
Sulphamerazin, USP, dms., works lb.10.25 -10.75
micro crystals, 99.9%, not over 10 microns, dms., works, lb.10.40 -10.90
Sulphamerazin, sodium, USP, dms., works lb.11.25 -11.75
Sulphanilamide, USP powd., bots., works lb. 1.30 - 1.50
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb.12.00 -12.25
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 8.00
Sulphathiazole, USP, powd., dms., works lb. 3.50 - 3.80
free flowing crystals, dms., works lb. 4.00 - 4.50
micro crystals, 99.9%, not over 10 microns, dms., works, lb. 3.65 - 3.95
Sulphathiazole-sodium, USP, dms., works lb. 3.50 - 3.80
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .27 .29
refined, flour, tight refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs, c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
l.c.l., bgs., works 100 lbs. 2.70 - 3.05
Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .08¼- —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .18 —
Sumac bark, 28%, grd., bgs., ex dock ton.65.00 -66.00
Extract, No. 1, bbls., 25% lb. .10½- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. 14½- —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a., pulv., bulk, Baltimore unit-ton .76 .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla unit-ton .83 —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls lb. 1.50 1.70

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Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 —
l.c.l ton.26.50 -28.00
98.5-99.5%, 325 mesh bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd lb. .06 - —
fancy, loose, same basis lb. .06¼- —
special, loose, same basis lb. .05¾- —
sulphonated, 25%, dms lb. .06 - .06½
50%, dms. lb. .08½- .09
Tamarind, W. I., bbls lb. .10 - .15
kegs keg.10.00 - —
Tankage, animal, teeting, 9-11% ammon, bulk unit-ton. 8.00 - —
Chicago unit-ton. 8.25 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 .30
Tapioca flour, high grade, bgs lb. .09 - .09¼
medium grades, bgs lb. .07¾- .08¼
low grades, bgs lb. .06¾- .07¼
Java, bgs lb No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. 41 —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - —
tanks, same basis gal. .52 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l. ex docs U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs. lb. .45 .50
Leaves, bgs. lb. .80 .90
Tartar emetic, tech., gran., or powd., bbls., kgs lb .46 —
dms. lb. .47 .51
USP, powd., bbls., dms., kg. lb. .51 .54
Terpin hydrate, com'l, bbls., c.l lb .24½ —
l.c.l lb 25 .25½
NF, cryst., bbls., dms lb 75 —
powd., bbls., dms lb 80 —
Terpineol, Alpha (see A), com'l, dms., c.l., South lb 13½- —
l.c.l., South lb 14 - —
tanks, South lb 13 - —
prime, dms lb. .33 .60
Terpinglycol ether, dms., c.l., works. lb. 19½ —
l.c.l., works lb. .20 - —
tanks, works lb. 19 - —
Terpinyl acetate, extra, cns., dms. lb 60 1.03
prime, cns., dms lb .55 .95
Terra alba (see Gypsum)
Testosterone propionate, USP, 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb .23½ .25
tech. (see Perchloroethylene)
Tetraethyl orthosilicate dms., works, lb. .70 —
Pyrophosphate, 40%, cns., dms., works lb. .65 .70
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Thallium sulphate, 99%, bots., dlvd. lb.13.00 -15.50
Theobromine, fib. dms lb. 4.50 - 4.55
Salicylate, fib. dms lb. 4.00 - 4.05
with sodium acetate, USP, dms. lb. 3.65 - 3.70
Sodio-Salicylate, fib. dms lb. 2.90 - 2.95
Theophylline, USP, fib. dms lb. 6.00 - 6.15
Thiamine hydrochloride USP, dms., 100 grams kilo.160.00 —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine)
Thiouracil, dms., works lb. 5.50 6.60
Thioures, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .16 - .17
Spanish, bls. lb. .06½- .09
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .7259- .7359
Crystals, hydrous, bgs., bbls., works lb. .59 - —
Metal, R.F.C lb. .78 - —
Straits lb. .78 - —
Oxide, bbls lb. .85 - .86
Sulphate, stannous, bbls., kgs., works lb. .842 - .862
Tetrachloride, anhyd., dms., works lb. .485 - .495
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
l.c.l., dlvd lb. .20 .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb .20 .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., works lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd E. lb. .21½- —
l.c.l., dlvd. E lb. .22 .22¼
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher

Tetrachloride, CP, 53-gal. dms lb .54½- .55
smaller, pkgs., works lb. .65 1.22
technical, 5-gal. dms., works lb. .32 —
smaller pkgs., works lb. .40 1.00
Tolu balsam, cns., dms lb. 2.25 - 2.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .21½- —
Birmingham dist gal. .22¼- —
Chicago district gal. .24½- —
Cleveland district gal. .24¾- —
Dangerfield, Tex gal. .23½- —
Geneva, Utah gal. .19 - —
Hamilton, Ohio gal. .22 - —
Johnstown, Pa gal. .20 - —
Lackawanna, N. Y. gal. .23 - —
Philadelphia, Pa gal. .24 - —
Pittsburgh district gal. .22 - —
Sparrow's Point, Md gal. .21½- —
St. Louis, Mo gal. .25 - —
Syracuse, N. Y. gal. .20½- —
Terre Haute, Ind gal. .24½- —
Wyandotte, Mich gal. .23 - —
Youngstown, Ohio gal. .20½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill gal. .25 - —
Tonga, 50% bark and vine, bls. lb .80 .95
Tonka beans, Angostura, cks lb. 1.75 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - .95
Toxaphene, dms., works, c.l lb. .20 - —
truckloads, works lb. .20 - —
ton to truckloads, works lb. .23 - —
less than tons, works lb. .26 - —
Totaquine, USP, 100-oz. lots oz. .42 - —
Triacetin, dms., dlvd lb. .35½- —
Tributyl citrate, dms. lb. .41 .43
smaller containers lb. .46 .52
Phosphate, dms., c.l., frt. alld lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½- —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½- —
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
Zone 4 lb. .11 - —

Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1½c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricholine citrate, 65% solut., ret., cbys., works, frt. equald lb. 2.55 - —

Thicholine citrate work's prices equaled with N. Y., Phila., St. Louis, and Los Angeles.

Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd. lb. .31 - —
tanks, dlvd. lb. .29 - —
petroleum, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd. lb. .31 - —
tanks, dlvd. lb. .29 - —
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethylamine, dms., c.l., works, frt. alld lb. .31½- —
l.c.l., same basis lb. .32½- —
tanks, same basis lb. .30 - —
Triethyl citrate, dms. lb. .34 .38
smaller containers lb. .39 .43
Phosphate, dms., works, c.l lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb 19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works lb .36 —
Triphenyl phosphate, bbls., c.l., frt. equald lb .31 - —
l.c.l., frt. equald lb .32 - —
Triphenylguanidine bbls., works lb .90 - —
Tripoli, air-floated, bgs., c.l., works lb .0175 —
double-grd., bgs., c.l., works lb .016 - —
single-grd., bgs., c.l., works lb .015 —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works lb. 2.30 - —
1:50, dms., works lb. 4.25 - —
1:75, dms., works lb. 5.50 - —
1:100, fib. dms., works lb. 5.50 - —
Tryptophane, dextro-laevo, fib. ctns., works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bgs lb. .38 - .38½
Haitian, bgs lb. No stocks.
Jamaica, bgs lb. .10½- .11
Madras, bgs. lb. .19 - .19½
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .23 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - —
l.c.l., same basis gal. .41 - —
N. Y. whse gal. .45 - —
tanks, works, South gal. .27½- —
steam-dist., dms., incl., c.l., works gal. .50 - —
l.c.l., works, South gal. .56 - —
ex whse., NYC gal. .64 - —
tanks, works gal. .34 - —
Tyrothricin, bots. gram 1.15 1.25

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Urethane, USP, dms lb. 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb 04½- —
l.c.l., works lb. .05 - —
fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.94.00 - —
42% N, bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.103.56 - —
30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.98.00 - —
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west ton.107.15 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton.125.00 - —
C and D grades, same basis, to n.123.50 - —
37 grade, same basis ton.147.50 - —
Uva ursi leaves, bls lb .10 - .14

V

Valerian root, Belgian, NF, bls lb. .45 - .50
Valine, dextro-laevo, dms., works lb.22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton.53.00 -55.00
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 4.00 - 4.25
Mexican, cuts, tins lb. 5.00 Nom.
whole, tins lb. 5.75 Nom.
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane).
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units, mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., 200,000 to 350,000 A units per gm 1,000,000 units. .28 - .33
351,000 to 450,000 A units per gm 1,000,000 units. .30 - .34
451,000 to 750,000 A units per gm 1,000,000 units. .33 - .37
751,000 or more A units per gm 1,000,000 units. .35 - .39

Minimum prices on natural Vitamin A acetate above prevail on quantities of five billion or more A units; the maximum of the above price range prevails on quantities less than one-half billion A units.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm 1,000,000 units. .40 - —
A, synthetic, palmitate, 800,000 A units per gm. 1,000,000 units. .40 - —
D_2 (see Calciferol).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.65.00 - —
merchantable, bgs., ex dock ton.62.00 -63.00
extract, liquid, 35% tannin, bbls., works lb. .04¾- .05
tanks, works lb. .04¼- —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .06¾- —
S Afr., 62% tannin, ex dock, duty extra lb. .06¾- —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot lb. .48 - .50
Bees, bleached, USP, white, bricks, cs lb. .64 - .65
slabs, bgs lb. .63 - .64
crude, African, bgs lb. .44 - .45
Brazilian, bgs. lb. .54 Nom.
Cent. American, bgs lb. .48 - .50
refined, yellow, bricks, cs lb. .56 - .57
slabs, bgs lb. .54 - .55
Candelilla, crude, bgs lb. .48 - .49
refined, bgs lb. .52 - .53

Powdered candelilla, 20 mesh, 5c. per lb extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Wax, carnauba, chalky, bgs., ton lots	lb.	No stocks.	
North Country, No. 2, ton lots	lb.	.85	.86
No. 3, crude, bgs., ton lots	lb.	.82	.83
refined, bgs., ton lots	lb.	.87	.88
yellow, No. 1, bgs., ton lots	lb.	1.11	1.13
No. 2	lb.	1.09	1.11
Powdered carnauba price same as powdered candelilla.			
Japan, bgs	lb.	.75	.76
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works	lb.	.14	—
Less than 20,000 lbs., same basis	lb.	.15	—
black, ctns., 20,000 lbs., same basis	lb.	.12½	—
Less than 20,000 lbs., same basis	lb.	.13½	—
white, ctns., 20,000 lbs., same basis	lb.	.25	—
Less than 20,000 lbs., same basis	lb.	.26	—
180°-185° m.p. ASTN, black, ctns., 20,000 lbs., same basis	lb.	.14½	—
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis	lb.	.16	—
Less than 20,000 lbs., same basis	lb.	.17	—
Less than 20,000 lbs., same basis	lb.	.15½	—
white, ctns., 20,000 lbs., same basis	lb.	.27	—
Less than 20,000 lbs., same basis	lb.	.28	—
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis	lb.	.20½	—
Less than 20,000 lbs., same basis	lb.	.21½	—
190°-195° m.p., ASTM, black, ctns., 20,000 lbs., same basis	lb.	.19	—
Less than 20,000 lbs., same basis	lb.	.20	—
white, ctns., 20,000 lbs., same basis	lb.	.33½	—
Less than 20,000 lbs., same basis	lb.	.34½	—
Montan, dom. black raw	lb.	.25	.25½
refined	lb.	.31	.32
Bohemian, bgs.	lb.	.18	.19
German, bgs.	lb.	.20	.21
Ouricury, refined, bgs., ton lots	lb.	.80	.81
Paraffin (see P.).			
Spermaceti, blocks, cs	lb.	.27	.30
cake, cs.	lb.	.28	.31
Sugar cane, crude, imp. bgs	lb.	.35	.37
refined, dom., slabs, works	lb.	.60	.65
imp., bags, N. Y.	lb.	.40	.42
White lead (see Lead, white).			
White pine bark, rossed, bls	lb.	.13	.20
White precipitate, USP, powd., dms., 50 lbs	lb.	2.00	—
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works.	ton.	6.00	-10.00
smaller lots, works	ton.	6.50	-15.00
wet-grd., bgs., c.l., works	ton.	16.00	-30.00
smaller lots, works	ton.	21.00	-35.00
Paris white, bgs., c.l.	ton.	24.00	-31.00
l.c.l.	whse. ton.	25.00	-40.00
Precipitated, bgs., c.l.	ton.	18.00	-20.00
l.c.l.	ton.	25.00	-35.00
Wild cherry bark, thick, natural, bls	lb.	.06	.07
rossed, bls	lb.	No prices.	
thin, natural, bls	lb.	.13½	.16
rossed, bls	lb.	.17	.18
Wild indigo root, bls	lb.	.30	.31
Wild yam root, bls.	lb.	.16	.17
Witch hazel leaves, bls	lb.	.20	.25
Woodflour, 40 mesh, bulk, c.l., works, East	ton.	32.00	—
l.c.l., same basis	ton.	40.00	—
60 mesh, bulk, c.l., same basis.	ton.	37.00	—
l.c.l., same basis	ton.	45.00	—
Woodflour, 80-100 mesh, bulk, c.l., same basis	ton.	40.00	-45.00
l.c.l., same basis	ton.	50.00	-55.00
Woodflour in bgs. extra, returnable.			
Wooltat (see Lanolin).			
Wormseed, American, bgs	lb.	.13	.14
Levant, bgs	lb.	4.15	4.25
Wormwood leaves, bls	lb.	.40	.45

X

Xanthorrhiza root, bls	lb.	.28	.30
Xylene (see Xylol).			
Xylenol, 5° 7°, ret. dms., c.l., works, frt. equald	lb.	.21¾	—
l.c.l., same basis	lb.	.22¼	—
tanks, same basis	lb.	.21	—
45°, dms., l.c.l., frt. equald	lb.	.24	—
fractions, over 7° C, dms., c.l., same basis	gal.	.91	—
l.c.l., same basis	gal.	.94	—
tanks, same basis	gal.	.80	—
Meta fraction, over 7° C, dms., c.l., same basis	gal.	.96	—
l.c.l., same basis	gal.	.99	—
tanks, same basis	gal.	.85	—
Xylidins, mixed, dms	lb.	45	.50
Xylol, coaltar, industrial, tanks, works —			
Bethlehem, Pa	gal.	.26	—
Birmingham district	gal.	.23¼	—
Chicago district	gal.	.26½	—
Cleveland district	gal.	.26	—
Dangerfield, Tex.	gal.	.27	—
Hamilton, Ohio	gal.	.25	—
Johnstown, Pa.	gal.	.24	—
Lackawanna, N. Y.	gal.	.24	—
Pittsburgh district	gal.	.23	—
Sparrows Point, Md.	gal.	.26	—
St. Louis, Mo	gal.	.28	—
Syracuse, N. Y.	gal.	.23½	—
Terre Haute, Ind.	gal.	.28	—
Wyandotte, Mich.	gal.	.27	—
Youngstown, Ohio	gal.	.23½	.25
Petroleum, indust., 10°, tanks, works:—			
Albany, N. Y.	gal.	.28	—
Bayonne, N. J.	gal.	.26	—
Baytown, Tex.	gal.	.25	—
Chicago, Ill.	gal.	.27	—
Detroit, Mich.	gal.	.28	—
Philadelphia, Pa.	gal.	.28	—
Providence, R. I.	gal.	.28	—
Sewall's Point, Va	gal.	.25½	—
Wood River, Ill.	gal.	.27	—

Y

Yara, yara, cns	lb.	2.00	2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms	lb.	.44	.46
90 B units, per gram, 100 lb. dms	lb.	.49	.51
200 B units, per gram, 100 lb. dms	lb.	.53	.55
300 B units, per gram, 100 lb. dms	lb.	.57	.59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.30¼	—
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.			
Benzidin, bbls., dlvd	lb.	1.60	1.70
Yellow, cadmium, CP, all shades, bbls., frt. alld. E. of Rockies	lb.	2.65	—
Lithopone, all shades, bbls., frt. alld. E. of Rockies	lb.	.95	—
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island	lb.	.32	—
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Hansa, bbls., same basis as chrome	lb.	1.60	1.70
Primrose, bbls., same basis	lb.	1.90	2.10
Iron oxide, natural, bgs., c.l., works	lb.	.0141-	.0250
l.c.l., works	lb.	.0166-	.0275
French type, bgs., c.l.	lb.	.04½	—
l.c.l.	lb.	.04¾	—
Peruvian type, bgs., c.l.	lb.	.0185-	.0210
synth, bgs., c.l. works	lb.	.09	—
l.c.l. works	lb.	.09¼	—
Mercury oxide, bbls., 1,000 lbs	lb.	1.93	—
smaller lots	lb.	1.95	—
Ocher American golden, bgs., works	lb.	.01¼	.02¾
Zinc, bots. same basis as chrome	lb.	.23½	—
Yellow dock root, bls	lb.	.16	.25
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls	lb.	.28	.30
Yohimbine hydrochloride vis	oz.	3.25	4.00

Z

Zein, bgs., 36,000 lbs., works	lb.	.30	—
1,000 lbs. to 36,000 lbs., works	lb.	.32	—
smaller lots works	lb.	.35	—
Zinc acetate, tech., bbls., dms	lb.	.26¼	—
NF, dms.	lb.	.38	—
Arsenite, bgs., c.l., frt. alld. E of Rockies	lb.	No stocks.	
l.c.l., same basis	lb.	No stocks.	
Borate, bgs., c.l., ship't pt., frt. alld., E	lb.	.12	.15½
frt. alld. Pac. Coast	lb.	.15	.17½
l.c.l., ship't pt., frt. alld. E	lb.	.12½	.16
frt. alld. Pac Coast	lb.	.16¾	.19¼
Carbonate, purified, powd., dms.	lb.	.26	—
tech., rubber makers', bgs., works	lb.	.10¾	.11¼
precipitated, powd., dms.	lb.	.26	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	7.00	—
l.c.l., works	100 lbs.	7.40	—
gran., bbls., c.l., works	100 lbs.	7.75	—
l.c.l., works	100 lbs.	8.15	—
solution, 50%, dms., c.l., works.	100 lbs.	3.90	—
l.c.l., works	100 lbs.	4.50	—
tanks, works	100 lbs.	3.25	—
NF, gran., dms	lb.	.42	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.38	.41
Dust, bbls., c.l., works	lb.	.1225-	—
dlvd.	lb.	.1250-	—
l.c.l., works	lb.	.1260-	.1325
Fluoride, bbls., works	lb.	.40	—
Zinc hydrosulphite, dms., c.l., frt. alld	lb.	.17½	—
l.c.l.	lb.	.17¾	.18
Iodide, NF, jars	lb.	4.85	—
Laurate, bbls	lb.	.45	.46
Linoleate, solid, 9½%, bbls	lb.	.42½	—
Metal, slabs, E. St. Louis	lb.	.09¾	—
Naphthenate, liquid, 8% Zn., frt. alld	lb.	.20¾	—
10% Zn. dms. frt. alld	lb.	.23¼	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld	lb.	.11	—
l.c.l., works	lb.	.11¼	—
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld	lb.	.11	—
l.c.l., works	lb.	.11¼	—
leaded, 5%, bgs., c.l., ship't point, frt. alld	lb.	.11	—
l.c.l., works	lb.	.11¼	—
35%, bgs., c.l., ship't point, frt. alld	lb.	.11¾	.12
l.c.l., works	lb.	.12	.12¼
50%, bgs., c.l., ship't point, frt. alld	lb.	.12¼	.12½
l.c.l., works	lb.	.12⅜	.12¾
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld	lb.	.13¼	—
l.c.l., works	lb.	.13½	—
green seal, bgs., c.l., ship't point, frt. alld	lb.	.12¾	—
l.c.l., works	lb.	.13	—
red seal, bgs., c.l., ship't point, frt. alld	lb.	.12¼	—
l.c.l., works	lb.	.12½	—

—Continued on page 67

Mutual's

SODIUM CHROMATE

OTHER NAMES: Chromate of Soda.

FORMULA: Na_2CrO_4

MOLECULAR WEIGHT: 162.00

DESCRIPTION: Slightly hygroscopic, yellow, small prismatic crystals. Bulk density average 104 lb. per cu. ft.

Na_2CrO_4	98.8% min.
Chloride as Cl	0.03% max.
Sulphate as SO_4	0.60% max.

USES: Replaces sodium bichromate where slight alkalinity without the need of neutralizing additions and ease of handling are convenient; for example, corrosion control in comparatively small systems. Also wood preservation, surface treatment of metal, organic syntheses, etc.

SHIPPING CONTAINERS: Steel Drums — 100 lb. net
Fibre Drums — 400 lb. net

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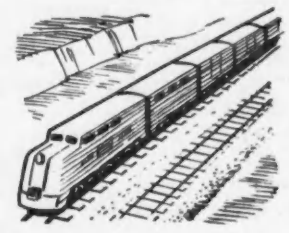
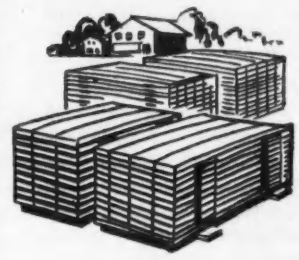


INTERNAL COMBUSTION ENGINES



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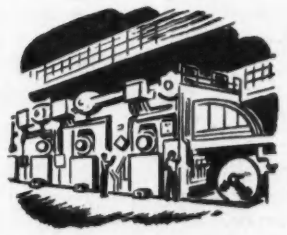

METAL SURFACE TREATMENT

CHEMISTRY

MUTUAL CHEMICAL CO. OF AMERICA — SINCE 1845

Oil, Paint & Drug Reporter

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Taxation Should Be Fair

Repeal—or, at least, reduction—of the Federal excise levies popularly styled "luxury taxes" has been getting verbal attention recently from President Truman, the Secretary of Commerce, and a number of members of Congress. Business organizations also have increased the volume of their utterances on the same subject.

Aside from the President, who was quite unspecific, the approach of recent commenters, both political and business, has been along a relatively weak line. It is their opinion that repeal, or reduction of the taxes, would be beneficial to the industries to whose products they apply. That, of course, is a syndicalistic approach, not a democratic one. But, it is ever difficult for any discusser of a politicoeconomic topic to be objective or national in his point of view. So, the utter disregard of the benefit which might accrue to the public at large, if relieved from the "luxury taxes," doubtless was to be expected.

But, the syndicalistic approach is not good. The so-called "luxury taxes" are by no means comparable as an industrial burden with the excise levy on alcoholic liquors or even that on tobacco products. And the basic profit margin of those industries is, anyhow, no larger than that in those to which the "luxury taxes" apply. There is the difference, of course, that the consumer is not called upon to pay the alcohol tax or the tobacco tax as a separate item. If he were—well, the ultimate, not too long deferred, result would be, not a distinct falling off in the business of the producing industries, but an unmistakable, fully convincing drive against the extraordinary, largely unnecessary use of money by the Federal government, which makes the alcohol and tobacco taxes and other excises necessary.

An excise tax is an inequitable, dictatorial imposition on the freedom of a citizen to determine what use he will make of his money. It should be opposed on that ground—opposed with respect of its application to whatsoever commodity may be involved. There should be no tax on any commodity or on any part of the cost thereof.

It is for that basically democratic reason that the proposal of a universal manufacturer's sales tax to replace the "luxury taxes" is very objectionable. Business organizations have failed to recognize that the public is beginning to know the inequity of a tax on business earnings, to realize, as a spokesman for business told the recent conference on governmental reorganization, that "corporations do not pay taxes—only people pay taxes; all corporations do is collect them." What is more: people also know that they have to pay a substantial fee for that collecting. They know that, by the time the manufacturer, the wholesaler, and the retailer have added their profits to a tax levied on the first of the three, the charge has so pyramided that the consumer pays at least twice as much as the government gets.

Of course, to the extent that such a tax can be concealed, it does not erect the "psychological barrier" against buying that is set up by an apparent, separately paid levy. But, hidden taxes are an unwarranted curse on the people. They constitute nothing other than official short-changing, a flim-flam game in which a national organization of businessmen certainly should, at least, hesitate to have a part.

There is only one form of equitable Federal taxation. That is an open, direct tax on the individual in accordance with his ability to pay. Everybody should pay his own part of the cost of government. He should not in any way be required to pay, with or without an added profit, any part of anybody else's—in rent, or excise, or pyramided cost of procuring anything.

Puzzles in Foreign Trade

It is always difficult to face realities. One of the most frequent reasons is that realities are not usually recognized. Conditions are fitted to presumed concepts. So, there should, really, be no wonderment over the fact that the United States government, via the Economic Cooperation Administration, is striving to outlaw the trade practice in western Europe of charging more for a commodity when it is exported than when it is sold in the domestic market.

It might be that short memory, or convenient recollection has something to do with the refusal to realize that goods of all sorts exported from the United States for several years past were priced in multiples of the home-market quotations.

There is some mistiness also about the relation of the opposition to export price-boosting and the continuous complaints about foreign goods being dumped in the United States market and in others where United States exporters desire to make sales. Certainly, European export prices cannot be both higher and lower than those asked for the goods at home!

The whole philosophy, or whatever it is, of the United States government and of its business interests with reference to foreign trade is misty. The avidity with which buyers in Latin America, for example, have sought sources of supply elsewhere than in the United States is blamed, by those who cannot get the business, on a variety of things—labor and politics and government fumbling are popular scapegoats. In most instances, there is no admission of knowledge of the numerous complaints that came from Latin American buyers because of the unsatisfactory service they were given when they had to buy in this country.

Through all that largely unjustified perplexity and in the ECA move against dual pricing in European trading, there runs a stream of thinking which fails or refuses to grasp the essential reciprocal stimulus of foreign trade. There is much puzzling over why goods from England, for example, are found all over Continental Europe and South America by representatives of United States business who cannot find buyers. Currency devaluation is adduced on many occasions in attempts to explain the unsatisfactory situation. Sometimes there is reference to dollar shortage, with little, if any, conception of what that really is. The fundamental fact that exports are imports being paid for seldom seems to get any recognition.

Commercially, as well as politically, the United States is poorly equipped with the understanding essential to the proper handling of its newly acquired role in world affairs. If it continues to act on the policy that German manufacturers should get British coal at a price which will permit them to compete with British manufacturers and at the same time protect United States industry at home and promote its participation with high-cost goods in low-price markets, it is going to find that its accumulation of international, or one-world, IOU's will require, by the end of the next decade, the adding of another three ciphers to the nine that have recently become common in monetary nomenclature.

For the Bookshelf

BLAKISTON'S NEW GOULD MEDICAL DICTIONARY. Edited by Harold Wellington Jones, M.D., Normand L. Hoerr, M.D., and Arthur Osol, Ph.D. First edition. Cloth, flexible; xxviii+1294 pages. Philadelphia: The Blakiston Company. $8.50.

A total of eighty experts (editors, editorial board, and collaborators) functioned in the construction of this, what the publishers say is the "first new medical dictionary in thirty-eight years." They did a good job—other experts have said so—a big job—the book has a volume of almost 200 cubic-inches.

Of course, there have been new issues of medical dictionaries later than thirty-eight years ago, the fourth development of the Gould dictionary reaching its fifth edition eight years ago. But, this is a new dictionary in concept, as well as in content. It does much to make plain the advances and other changes which have taken place in medicine since George M. Gould, B.A., M.D., issued a "New Medical Dictionary," "based on recent medical literature"—in 1890. It has got past the vitamin and hormone ages and well into the antibiotic, but not up to even the first stage of antihistamine.

There are 252 illustrations in this new dictionary, 129 of them in color. All are better than those usually encountered. They are on forty-five plates, which are segregated in a special midway section. There are no text figures.

It is commendable that the editors have provided a pronunciation system that is simple and good, also that they have treated eponyms and biographic references as a part of the vocabulary and done the same with pharmaceutical trade-names. Those who must know medical nomenclature should, properly, be enabled, as in this dictionary, to know it as it really is, not as it should be, whatever the criterion of such a requirement. Alternate pronunciations are given in many instances and there are numerous useful cross-references.

Preceding the dictionary proper are indexes, a list of abbreviations, transliterations from the Greek, explanatory notes, and a pronunciation key. In the appendix are anatomical, dietary, elemental, enzyme, hormone, micro-organism, monstrosity, anomaly, phobia, pregnancy, Latin and Greek terms, protein, thermometric, veterinary dosage, vitamin, and weight and measure tabulations.

The field of medicine needs this new lexicon in all its sectors. All will be aided variously by making use of it.

Washington Talks It Over

—*Continued from page 5*

Laboratory at Baltimore. Previously he was with the Internal Revenue Laboratory in New York where he devised a noteworthy method for determining staple lengths of imported cotton and cotton products. Mr. Clarke is Deputy Collector at Baltimore and co-author of the Bureau of Customs Gauging Manual.

Government Housekeeper

After five months of infancy, the General Services Administration believes now that it will survive. It has just announced itself as a permanent organization, ready to take its place in the official family of government agencies.

GSA, as it will be more generally referred to, is the housekeeping agency of the government. It combines the supply, property management, records management, and certain public works functions of the government. It was the first major result of the Hoover Commission's studies of the government and was created by act of Congress, effective July 1.

The organizational structure, as it is intended to function on a permanent basis, provides for four services to carry out the major purposes of GSA. These and the men who head them are the Public Buildings Service, W. E. Reynolds, Commissioner of Public Buildings; Community Facilities Service, Pere F. Seward, commissioner; National Archives and Records Service, Dr. Wayne C. Grover, archivist; and Federal Supply Service, Clifton E. Mack, director.

War Assets Administration, which had been transferred to GSA for liquidation, will be wound up about January 1.

Fats and Oils Outlook

Prices of fats and oils are likely to average lower in 1949-50 than in 1948-49, says the Bureau of Agricultural Economics, as a result of the record domestic output and the probability of slightly reduced domestic and export demands. Except for tung nuts, season average prices to farmers for oilseeds also probably will be lower.

This does not mean, however, that prices will continue to decline from the November, 1949, level, when they were about one-fourth below the average for October, 1948, to September, 1949. Government loans to producers and other price-support programs are likely to prevent further major declines in oilseed prices.

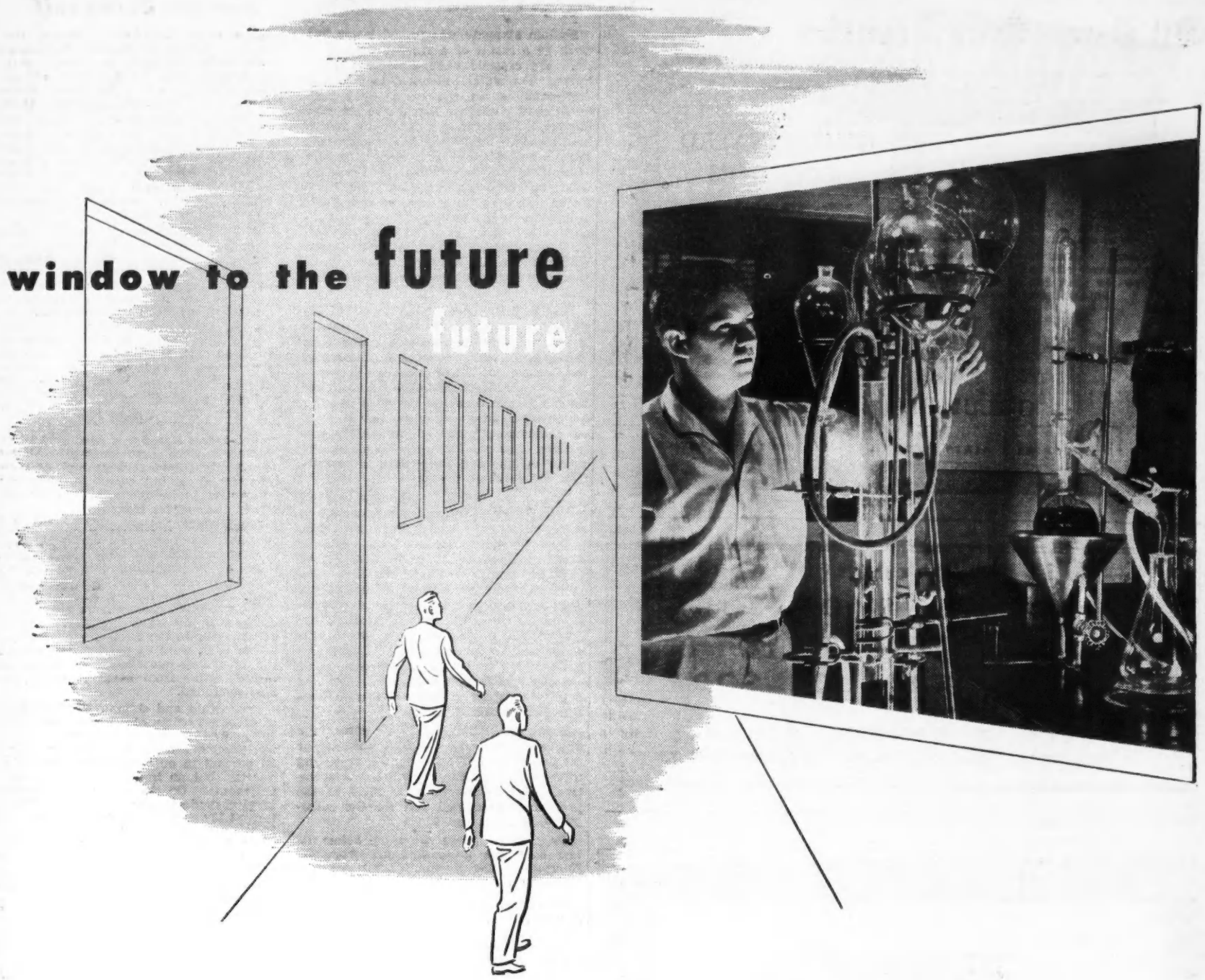
Domestic production of fats and oils in the year which began in October probably will be nearly 12,000,000,000 pounds, including oil equivalent of domestic oilseeds exported for crushing abroad. This is moderately more than in 1948-49, and is much more than in any earlier year.

Chemical Weed Killer Use

To control brush in the rights-of-way of electric lines is one of the big jobs of maintenance of the electric co-ops by the Rural Electrification Administration. Chemical control is gaining favor with the co-ops on the basis of reports that have reached Washington from many of the companies. A few of the systems ventured into this work on only a small scale this season, but many others who tried out chemicals last year expanded their activities this season.

For twenty-two cooperatives, the mileage treated in 1949 with brush killing sprays amounted to 3,600 miles of line plus 700 acres of area treatments. This compares with similar reports in 1948 from thirteen concerns that treated 320 miles of right-of-way, plus 400 acres of area treatments.

A striking fact this year was the almost universal use of a spray combining 2,4-D and 2,4,5-T. Last year several co-ops used 2,4-D alone, and others used one of the patented commercial weed killers. Exchange of information on the results of the work in 1948 led to wide use of the combined spray as the best now available for the kind of brush killing the electric co-ops need to do. Further research is being made for even more effective brush killing chemicals.



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Heavy Chemicals

Sodium stannate was priced lower last week as a result of a further decline in tin. Tin crystals were also fractionally lower. Tin metal continued to follow a downward course and closed easy with insufficient consumer support to stabilize the price. The other non-ferrous metals held steady. Trading in heavy chemicals showed a seasonal slowing down. Makers of the potash chemicals expressed concern over the outlook for replenishing basic stocks with the Carlsbad potash strike still unbroken. At least two producers will reduce the tankcar price of carbon bisulphide on January 1. Chlorine remained scarce but there were no other serious shortages in the heavy chemical classification.

United States production levels of industrially important inorganic chemicals were generally higher in October than in September, according to the Bureau of the Census. Of the 35 chemicals surveyed on a monthly basis, the October output of 23 was larger than the previous month's and 8 were produced in smaller volume. In comparison with October, 1948, production figures, 15 were produced in larger volume and a decrease in production was reported for 16.

Record production levels were reached during October for converters' ammonium sulphate, muriatic and phosphoric acids, sodium phosphate, dibasic and tetra, as well as molybdate chrome orange. Other important inorganic chemicals, for which gains over the preceding month's output were reported, were synthetic anhydrous ammonia, calcium carbide, chlorine, hydrogen, soda ash, caustic soda, sodium sulphate and sulphuric acid. Three important inorganic chemicals for which October production was less than for September were ammonium nitrate, carbon dioxide and oxygen.

Paper production based on a percentage of six-day capacity was 98.0 percent for the week ending Decemeber 17, according to the American Pulp and Paper Association. This compared with 100.5 in the preceding week, and 96.1 for the corresponding week in 1948.

Production figures appearing below unless otherwise designated are from the Bureau of the Census Department of Commerce.

Ammonia, Anhydrous—Stocks have increased this month and the market will close the year in a comfortable supply condition. Production of synthetic was higher in October at 108,604 tons, compared with 105,443 in September and 92,791 tons in October last year.

Ammonia Liquor — October production amounted to 2,354,931 pounds, a decline of 39.2 percent from the 3,871,835 pounds made in the preceding month, according to the Bureau of Mines. Production for 10 months ending October, 1949, was 38,710,374 pounds, against 41,104,600 for the corresponding period in 1948. Sales in October amounted to 1,725,243 pounds, against 2,653,261 in September. Sales for ten months ending October 31 were 26,992,161 pounds in 1949, compared with 38,717,200 pounds for the same time in the preceding year. Stocks on October 31, 1949, were 1,488,081 pounds, against 1,842,081 on September 30 and 1,164,734 pounds on October 31, 1948.

Calcium Carbide—Production increased from 40,286 tons of commercial in September to 47,274 in October. Last year in October, production amounted to 57,805 tons.

Carbon Bisulphide—At least two producers will lower prices from $4.45 per 100 pounds in tankcars, works, to $4.40 on January 1. The downward revision is said to be part of a policy of passing along savings to customers as they are effected in improved manufacturing processes, as well as other economies effected from time to time.

Carbon Dioxide—October production declined along seasonal lines. The total for liquid and gas was 19,254,000 pounds, compared with 20,735,000 in the preceding month and 17,977,000 pounds in October last year. Production of solid, dry ice, was 62,885,000 pounds in October against 74,350,000 in September and 53,140,000 pounds in October, 1948.

Chlorine—Shipments continued heavy last week and were insufficient to level off demand. The market's supply position closed tight. Production in October was higher at 151,087 tons of chlorine gas,

Market Trends

Prices Advanced

None

Prices Reduced

Sodium stannate, ½c. per lb.
Tin, crystals, ⅜c. per lb.
Metal, R.F.C., ¾c. per lb.
Metal, Straits, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
216.4	216.4	217.7	234.6

Acids

Last week	Prev. week	Last month	Last year
121.8	121.8	121.8	123.3

(*For Current Prices see Page 9*)

compared with 147,214 in September and 147,593 tons in October last year.

Copper Sulphate—Industrial demand was well sustained in the local market last week. There was no improvement in the agricultural inquiry in the East, although it was stated that producers in the Southwest were experiencing an active demand for shipment West both for agriculture and mining uses. An export inquiry said to be for around 1,000 tons was in the market from Italy.

Fluorspar — Consumption of fluorspar continued its downward trend in the third quarter of 1949, was 10 percent smaller than in the preceding quarter, and the lowest since the second quarter of 1946, according to the Bureau of Mines. The decline resulted chiefly from reduced operations in the steel industry. Imports of fluorspar in the third quarter, totaling 16,261 tons, were 45 percent less than in the preceding quarter; the third quarter imports came from France, Mexico, and Newfoundland.

Production and shipments of fluorspar of domestic origin of all grades were 54,196 and 64,768 short tons, respectively, in the third quarter of 1949, a decrease of 18 percent in output from the preceding quarter, but an increase of 2 percent in shipments. Of the shipments of metallurgical-grade fluorspar in the third quarter, 33,377 tons were from Illinois and Kentucky and 7,220 tons from Arizona, Colorado, Nevada, New Mexico, and Utah. Of the shipments from Illinois and Kentucky in the third quarter, 15,893 tons were shipped by barge on the Ohio River, compared with 20,137 tons in the second quarter.

Production of metallurgical-grade fluorspar in the third quarter was 14 perecnt less than in the preceding quarter and it was 33 percent smaller than the rate of consumption in steel plants in the third quarter. Production of acid-grade fluorspar in the third quarter was 9 percent less than in the preceding quarter and it was 23 percent less than the rate of consumption in hydrofluoric acid plants in the third quarter.

Consumption of fluorspar was 81,564 tons in the third quarter, compared with 90,596 tons in the previous quarter. Stocks of fluorspar at consumers' plants (127,142 tons) on September 30 were virtually the same as those on June 30, but stocks at mines (36,392 tons) declined 23 percent.

Potash Caustic—Production has been cutback by the potash strike at Carlsbad. Suppliers have been using inventories but admit that their stocks are getting short. Demand for liquid continued active from the soap trade and a lot of material is being taken for the production of potassium carbonate.

Potassium Carbonate—Market position firm with calcined and hydrated in steady demand from the glass specialty plants. Textile mills have shown relatively little interest in the liquor.

Soda Ash — Seasonal slowing down in the call for shipments was noted last week. No shortage of stocks and prices remained steady. Production of light ash in October amounted to 163,904 tons, compared with 167,802 in the preceding month and 198,369 tons in October 1948. Output of dense ash in October was 114,260 tons, against 113,101 in September and 146,431 tons in October last year. Production of natural soda ash in October was 20,758 tons, compared with 16,913 in September and 25,328 tons in October 1948.

Soda, Caustic—October production by the electrolytic process was almost equivalent to that of a year ago. The total was 144,243 tons of liquid, including 18,235 tons of solid, against 139,655 tons of liquid

For Late Market Developments, See Page 4

Pennsalt Chief Engineer

Albert S. Woodard has been appointed chief engineer of the Pennsylvania Salt Manufacturing Company, Philadelphia. Mr. Woodard was previously acting chief engineer for the company.

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including 19,657 tons of solid in September and 144,380 tons of liquid including 29,318 tons of solid in October 1948. Production by the lime-soda process in October was 45,124 tons of liquid including 15,049 tons of solid, compared with 42,488 tons of liquid including 10,804 tons of solid in September and 67,456 tons of liquid including 23,532 tons of solid in October 1948.

Sodium Bicarbonate—Production of refined was higher in October. The total was placed at 15,272 tons, compared with 11,860 in the preceding month and 14,407 tons in October 1948.

Sodium Stannate—Priced lower at .460c. to .513c. per pound in drums, works, freight allowed East. The market is now in line with the present price of tin.

Tin Crystals—Fractionally lower in sympathy with lower metal. At the close 59c. was named for hydrous f.o.b. the works.

Acids

Hydrofluoric — October production amounted to 4,452,000 pounds, compared with 4,233,000 in the preceding month and 6,619,000 pounds in October, 1948. Demand seasonal, stocks comfortable, prices steady.

Muriatic—Stocks meeting demand readily at former price levels. Production was higher in October at 43,593 tons, against 41,030 in September and 39,863 tons in October, 1948.

Nitric—Production declined to 85,208 tons in October from 95,721 in the preceding month and 99,190 tons in October 1948. Small lot sales have featured the local market with stocks adequate to meet requirements.

Oxalic—Volume of small lot sales has increased this month without having any significant effect on the easy supply condition. Demand has come principally from the garages.

Sulphuric—Gross production in October amounted to 891,334 tons including 213,426 tons made by the chamber process and 677,908 by the contact process. Gross output in September was 840,955 tons and in October, 1948, production registered 950,801 tons.

Non-Ferrous Metals

Aluminum—Output of primary aluminum in the United States totaled 45,790 short tons in October, according to the Bureau of Mines. Although the plants of a large producer resumed production on two of the potlines at Jones Mills, Ark., a strike by the CIO United Steelworkers on October 17, at Alcoa, Tenn., and Badin, N. C., reduced the national output to the lowest level since February, 1948. Increased sales during October reduced the abnormally high inventories below 50,000 tons. Quoted prices on primary pig and ingot remained unchanged throughout the month.

Copper—Sales for December have trade estimates. The market was quoted firm at 18½c. per pound for electrolytic passed the 100,000-ton mark according to delivered Valley basis.

Lead—According to trade reports, December sales compare favorably with November. It was pointed out, however, that December sales include purchases for the government stockpile. Common grades steady at 12c. per pound, New York basis.

Quicksilver — Domestic production of quicksilver in the third quarter of 1949 continued the decline generally in progress for a number of years, according to the Bureau of Mines. The total for the period

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Typical Analysis

	"R" Grade	"VH" Grade
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H_2O	0.03-0.04	0.05-0.07 %
R *	0.006-0.009	0.009-0.012 %
NaCl	0.005-0.007	0.01-0.03 %
Fe_2O_3	0.007-0.01	0.02-0.03 %
CAO	None	Traces
PH	About 6	6-7

*Residue insoluble in acid

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was 1,300 flasks. Consumers' and dealers' stocks on September 30 were 21,500 flasks and producers held 4,400 flasks.

Imports (general) of quicksilver in the third quarter of 1949 amounted to 58,458 flasks, almost twice as much as in the second quarter, itself an all-time quarterly peak. Italy again led all other countries, supplying 97 percent of the third-quarter total, and over double the previous peak quarterly quantity shipped in the April-June period. Yugoslavia was the second chief source and furnished more than other countries combined. Imports from Spain, Japan and Mexico were far below quarterly rates for the previous two years or more.

Local market quiet and did not reflect lower prices recently established in London. Round lots $71 to $72, small lots $73 to $75.

San Francisco—The market continues unchanged here with metal quoted $73 per flask.

Silver — Buying interest was broad enough to hold the market steady last week. The official closing price for silver bullion in the New York market was 73¼c. per ounce.

Silver Bullion Price Range

	Per ounce — New York	London
High	Sept. 7, 1949—73¼c.	Sept. 20, 1949—64d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.

Tin — Reconstruction Finance Corp. posted another in its long series of price cuts on spot grade A refined tin. The government's price for the New York delivery was posted at 78c. a pound at the close.

Zinc—Prime western remained quiet and steady last week with occasional sales of carlots at 9¾c. per pound East St. Louis basis.

Consumption of slab zinc in the United States in September totaled 67,350 tons, only 1 percent below the August total of 68,338 tons, according to the Bureau of Mines. Of the major industry groups using zinc, rolling mills reported the largest drop of 5 percent. Consumers' stocks of slab zinc on September 30 were 68,613 tons compared with 71,761 tons on August 31.

Inventories of zinc dust at producers' plants were 876 tons, 19 percent below stocks on August 31, and the lowest month-end total since August, 1948. Smelter stocks of slab zinc, however, were 85,203 tons compared with 84,888 tons on August 31, 1949. Production of zinc dust continued to increase to 1,912 tons during September, whereas smelter output of slab zinc declined 5 percent to 70,392 tons, the lowest monthly output since February, 1949.

Receipts of slab zinc at consumers' plants were 64,202 tons or 9 percent below the August total. An increase of 35 percent in the quantity of zinc received at brass mills was insufficient to balance losses of 15, 13 and 11 percent at rolling mills, die casting and galvanizing plants, respectively.

Organic Sulphur Compound Standard Samples Offered by NBS

The National Bureau of Standards is making available high-purity standard samples of organic sulphur compounds to interested laboratories of the petroleum, chemical and allied industries. A total of eight compounds are available, the most recent being:—Ethanethiol; 2-methyl-2-propanethiol; 1-pentanethiol; 2,3 dithiabutane, and 3,4 diathiahexane. Directions for ordering may be obtained from the National Bureau of Standards, Washington 25, D. C.

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Hooker Offers Process For Cleaning Metals

Hooker Electrochemical Company, Niagara Falls, N. Y., has developed a product and a process which it expects may soon outmode the classic method of cleaning steel and other metals in an acid bath.

The new product, tradenamed "Virgo Salt," and the company's patented descaling process is reported to be in use in over twenty different individual applications, and current experimental work is said to indicate that even more applications are possible. The process makes use of a fused alkali bath followed by a water quench and a short acid dip for most applications, and is said to be economical, simple and safe in operation.

Alcoa Changes Closures Name

Aluminum Company of America, Pittsburgh, has announced that the complete line of aluminum caps and seals produced by its wholly-owned subsidiary, Aluminum Seal Company, Inc., Richmond, Ind., will be known as "Alcoa Closures," effective January 1. The former name of the line was "Alseco."

Metals Refining Making Copper in Paste Form

Metals Refining Company, a division of the Glidden Company, Cleveland, has developed copper in paste form, which it says provides substantial savings in the assembly of parts for furnace copper brazing. Called "Cubond," the paste is reported to provide a source of copper that can be applied with more speed and less waste than conventional sources such as rings, foil, slugs and electroplate.

The company has also developed applicator guns which apply "Cubond" as an extrusion in the forms of rounds or ribbons in definite quantity, depending on the trigger setting. The guns are for pneumatic or hand use.

Brazeau Gets Legion of Honor

Willoughby F. Brazeau, president of the International Selling Corporation, New York, has been presented with the Cross of the Legion of Honor by the French government. Mr. Brazeau was cited for valuable assistance rendered to France as chief of the French section of the foreign liasion office of the United States War Department during the war. His company represents numerous French mineral firms in this country.

Trade Briefs

Pure Carbonic, Inc., New York, has published a new illustrated catalog of regulators for carbon dioxide gas. Copies may be obtained from the company at 60 East Forty-second street, New York.

Dr. L. Reed Brantley, professor of chemistry at Occidental College, has been elected chairman of the Southern California section of the Pacific Southwest Association of Chemistry Teachers.

Minneapolis-Honeywell Regulator Company has developed a new highly accurate and low cost electronic control instrument that is said to be sensitive to temperature changes as small as one-tenth of one degree.

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Hydrogen Peroxide	C. P. 30% H_2O_2 by weight
Hydrogen Peroxide	35% H_2O_2 by weight
Hydrogen Peroxide	50% H_2O_2 by weight
Hydrogen Peroxide	90% H_2O_2 by weight
Potassium Persulfate	$K_2S_2O_8$
Ammonium Persulfate	$(NH_4)_2S_2O_8$
Sodium Carbonate Peroxide	$2NaCO_3.3\ H_2O_2$
Sodium Pyrophosphate Peroxide	$Na_4P_2O_7.2\ H_2O_2$
Urea Peroxide	$CO(NH_2)_2.\ H_2O_2$
Calcium Peroxide 60%	CaO_2
Magnesium Peroxide 15% 25% 50%	MgO_2
Zinc Peroxide 55%	ZnO_2
Acetyl Peroxide in Dimethyl Phthalate	$(CH_3CO)_2O_2$
Peracetic Acid 40%	CH_3COOOH

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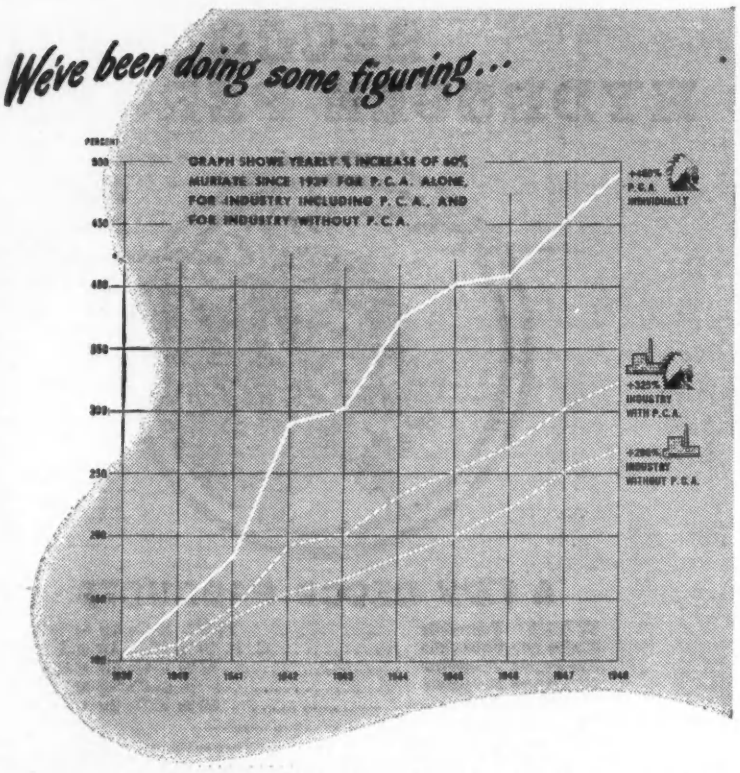
We've been doing some figuring...


PERCENT
GRAPH SHOWS YEARLY % INCREASE OF 60% MURIATE SINCE 1939 FOR P.C.A. ALONE, FOR INDUSTRY INCLUDING P.C.A., AND FOR INDUSTRY WITHOUT P.C.A.
+480% P.C.A. INDIVIDUALLY
+325% INDUSTRY WITH P.C.A.
+280% INDUSTRY WITHOUT P.C.A.
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

1948 was a record year for domestic Potash. Using '39 as a base, the industry—not including P.C.A.—showed an increase of 280% in 60% Muriate. P.C.A. production lifts the industry increase to 325%. *P.C.A. alone shows a High Grade Muriate increase for the same period of 480%.*

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Agricultural Chemicals

Castor pomace was advanced sharply last week under limited available stocks and an active demand from the fertilizer trade. Nitrogenous process tankage was priced higher with production entirely sold for prompt shipment and April the nearest delivery offered. The recent steel strike with its consequent short shipments of slag forced consumers to switch to nitrogeneous process tankage. Chicago was higher for dried blood. Bone meal continued firm and it looked as if the entire organics market was working into a tighter supply condition.

No break in the strike-bound potash plants in the Carlsbad area of New Mexico. The prolongation of this strike is beginning to have a serious effect on mixing operations. As the situation now stands, there is plenty of nitrogen and superphosphate and a shortage of potash. There was no change in price for ammonium nitrate or sulphate. The general movement of the basic fertilizer chemicals has slowed down appreciably.

Fertilizer was the only major group of Canadian chemical exports in the first nine months of 1949 to show an increase over those in the corresponding period of 1948. Totals were $30,211,000 and $28,132,000, respectively, the Dominion Bureau of Statistics reports.

The Paulista Railway in Sao Paulo recently lowered its freight rates on fertilizer shipments by 30 percent in response to a request by the Brazilian Rural Society. The action added impetus to the local drive for restoring wornout soils and increasing crop yields.

Market Trends

Prices Advanced

Castor pomace, $3.50 per ton.
Dried blood, Chicago, 25c. per unit of ammonia.
Nitrogenous process tankage, 10c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	81.6

(*For Current Prices see Page 9*)

Nitrogenates

Ammonium Sulphate—Coke oven production in October amounted to 40,503,330 pounds, down 68.4 percent from the 128,018,027 pounds made in September, according to the Bureau of Mines. The amount made from purchased synthetic ammonia in October was 10,482,712 pounds against 10,133,355 pounds in the preceding month. Sales of coke-oven sulphate in October were 32,092,007 pounds and 10,452,712 pounds of material made from purchased synthetic ammonia, compared with sales of 107,070,684 pounds of coke-oven sulphate and 10,133,355 pounds made from purchased synthetic ammonia in September. Stocks on hand October 31 were 97,704,291 pounds, against 89,439,309 on September 30 and 48,951,393 pounds on October 31, 1948.

Bone Meal—Held steady at $65 per ton with more attention shown by fertilizer than the feeding interests at present. Stocks meeting demand on a fairly prompt basis.

Castor Pomace—Priced higher with sales at $27.50 per ton in paper bags, carlot shipments from works. All the material offered at this figure was purchased before the close of the week.

Dried Blood—Market tone firmer with Chicago slightly higher at $8.50 per unit of ammonia. New York quoted nominal at $8 per unit.

Fish Meal—Menhaden remained quiet with stocks and demand in the Baltimore area both light. The price was quoted unchanged $170 per ton.

Nitrogenous Process Tankage—Production temporarily sold for prompt shipment. Prices range from $3.70 per unit of ammonia to $4.10. A western producer offered April, 1950, shipment at $3.75. It was stated that during the recent steel strike shippers of slag got behind on shipments and that considerable buying of nitrogenous process tankage has made it difficult to place orders for the latter material at the present time.

Sodium Nitrate—Local demand quiet with supply situation holding a comfortable position. The situation in the South remained unchanged.

Tankage—Quiet with undertone slightly firmer. Sellers named $8.25 per unit of ammonia at Chicago and $8 in New York.

Phosphates

Phosphate Rock—Domestic demand has slowed down as a result of heavy stocks of finished material. Some export shipments reported against ECA countries. Total mine production of phosphate rock in the first half of 1949, according to reports of producers to the Bureau of Mines, was 4,056,168 long tons. Phosphate rock sold or used in the first half of 1949, 4,378,295 long tons, was about one-quarter million tons less than for the corresponding period of 1948. The total value also was less. The average value of the phosphate rock sold or used, however, increased 23c. a ton from $5.70 in the first half of 1948 to $5.93 in 1949, increases being reported in Tennessee and Montana rock; that of Florida declined slightly. Total stocks in producers hands on June 30, 1949, were 95,000 tons greater than at midyear in 1948, the increase reported for Tennessee more than offsetting declines in the other regions.

Superphosphate—No shortage of stocks at the present time although cutback production has assisted in keeping the overflow down. The proposed purchase of 40,000 short tons of 18 percent a-p-a by ECA for shipment to Korea is expected to bring out some sharp competition.

Potashes

No new development at strike-bound plants in the Carlsbad area of New Mexico. It was understood that some discussions have been under way without resulting in anything definite. Meanwhile, interest has increased in cottonseed hull ash, with sales reported at $1.75 per unit of potash in bags, carlots, delivered.

Los Angeles Fertilizer Market

Los Angeles.—Little change is noted in the market since last week. Movements are slow in all fertilizers. The only price changes reported are in the organics. Bone meal is somewhat scarce at present, both imported and domestic, the latter quoted at $83 per ton f.o.b. Los Angeles. Fish meal prices continue to increase with present quotations between $2.65 and $2.80 per unit of protein.

Ruling prices were:—Ammonia nitrate, $74.38 per ton for Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16 20 grade, f.o.b. Los Angeles and $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Ammonia sulphate, $55 per ton in bags, f.o.b. Los Angeles. Canadian material same bagged. $2.50 discount for bulk. Blood meal, $6 to $6.75 per unit of ammonia at source. Bone meal, $70 to $71 per ton for imported, steamed 1/30 meal, f.o.b. Los Angeles. Fish meal, $159 per ton for 60 percent tuna, f.o.b. Los Angeles. $187.60 per ton for 67 percent sardine, f.o.b. San Francisco, $172.25-$178.75 per ton for 65 percent sardine, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 45½c. per unit, bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $71.50 per ton, 42 percent a.p.a., f.o.b. Los Angeles. Tankage, dry rendered, ground, 50 percent protein, $5.25 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

The Production and Marketing Administration of the Department of Agriculture states that it is taking special steps to control insect infestation which has shown up in some of the grain which is in emergency storage in Liberty ships at Jones Point in the Hudson River. The Department and the Maritime Commission announced, July 6, that some ships from the reserve fleet would be used for emergency grain storage, on an experimental basis, in an effort to help meet the urgent need for additional temporary storage. A total of 48 ships at the Jones Point anchorage have been used for this purpose, with wheat in 45 and flaxseed in 3.

Regular monthly inspection has shown that grain in 34 ships is keeping well, but there are signs of infestation in 14 of the ships which contain wheat. These 14 ships are therefore being moved to New York City, where elevator facilities are available. Grain from two ships will be entirely unloaded, thoroughly fumigated in elevators, and then reloaded into "live" ships for shipment under the current export program. The top layer of about five feet of wheat will also be unloaded from the other 12 ships where infestation has been evident, and handled in the same way. A more complete job of fumigation than would be possible at Jones Point anchorage will then be carried out for the remaining cargoes, and the ships returned to Jones Point.

For Late Market Developments, See Page 4

Gets Agronomy Post

Aaron Baxter has been appointed to the staff of the Coke Oven Ammonia Research Bureau as southern agronomist. Mr. Baxter recently completed research leading to a doctorate in the department of agronomy of Ohio State University. He was formerly engaged in agronomy and soil survey work in Alabama.

N.E. Weed Control

—*Continued from page 5*

trol in Potatoes to Other Production Factors," by Ora Smith, Cornell University.

"Wild Garlic and Its Control by 2, 4-D," by Glenn C. Klingman, North Carolina State College; "Chemical Control of Wild Garlic (*Allium vineale*)," by S. M. Raleigh, Pennsylvania State College; "One Year's Results on the Effect of 2, 4-D on Legumes of Hay Fields and Pastures," by Leland G. Butler, Dale E. Wolf and Gilbert H. Ahlgren, Rutgers University; "Chemical Control of Quackgrass," by S. M. Raleigh, Pennsylvania State College, and "Preliminary Report on Pre-Emergence Weed Control for Field Beans," by A. J. Tafuro and J. D. Van Geluwe, G.L.F., Ithaca, N. Y.

Among the parers to be presented in the afternoon will be the following:—"Pre-Emergence Weed Control in Corn with Cyanamid," by F. B. Muller and T. E. Odland, Rhode Island State College: "Three Years' Results with Cyanamid as a Pre-Emergence Treatment in Corn," by Charles S. Gould, Dale E. Wolf and Rodney A. Briggs, Rutgers University; "Pre-Emergence Weed Control in Corn," by S. M. Raleigh and R. E. Patterson, Pennsylvania State College; "Controlling Weeds in Corn with 2,4-D," by F. B. Muller and T. E. Odland, Rhode Island State College.

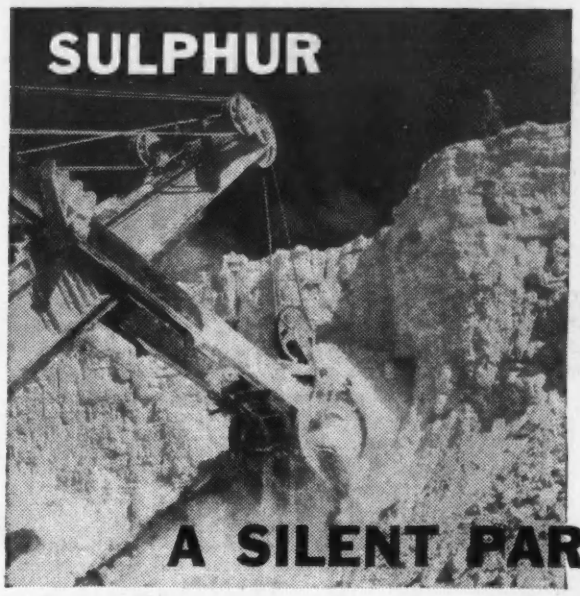
"A Comparison of Certain Chemicals in Controlling Horse Nettle and Other Weeds in Corn," by Homer B. Neville, Long Island Agricultural and Technical Institute; "Applying Chemical Weed Control While Cultivating," by R. E. Patterson and S. M. Raleigh, Pennsylvania State College; "Biological and Mechanical Control of Weeds in Turf," by Fred B. Grau, USDA.

"Preliminary Results on the Use of Wetting Agents with Crabgrass Killers," by Earl E. Walter and Dale E. Wolf, Rutgers University; "'Cyanate'—A Promising New Chemical for Crabgrass Control in Turf," by E. C. Nutter and J. P. Cornman, Cornell University; "Crabgrass Control with PMAS on Colonial Bent Putting Green Turf and on Seedling Turf on Lawns," by J. A. De France, Rhode Island State College, and "Results of Testing Chemicals for Crabgrass Control in 1949," by Ralph E. Engel and Dale E. Wolf, Rutgers University.

Section C' Control of Woody Plants

Among the papers to be presented will be the following:—"Recent Developments in Chemical Brush Control," by L. L. Coulter, Dow Chemical Company; "Progress Report on Weed and Brush Control Along Tompkins County Highways," by P. B. Kaufman and A. M. S. Pridham, Cornell University; "Control of Black Locust with Chemical Sprays," by W. C. Bramble and D. P. Worley, Pennsylvania State College;

"Polybar-chlorate and Borascu as Weed Control Chemicals," by F. S. Spon, Pacific Coast Borax Company; "Oil Sprays Control Weeds in Coniferous Nurseries," by E. J. Eliason, Saratoga Tree Nursery; "Large Scale Eradication of Water Hyacinth Involving Helicopter and Other Equipment," by P. W. Zimmerman and A. E. Hitchcock, Boyce-Thompson Institute for Plant Research, and "Control of *Agropyron Repens* with Herbicides," by W. E. Snyder, Cornell University.



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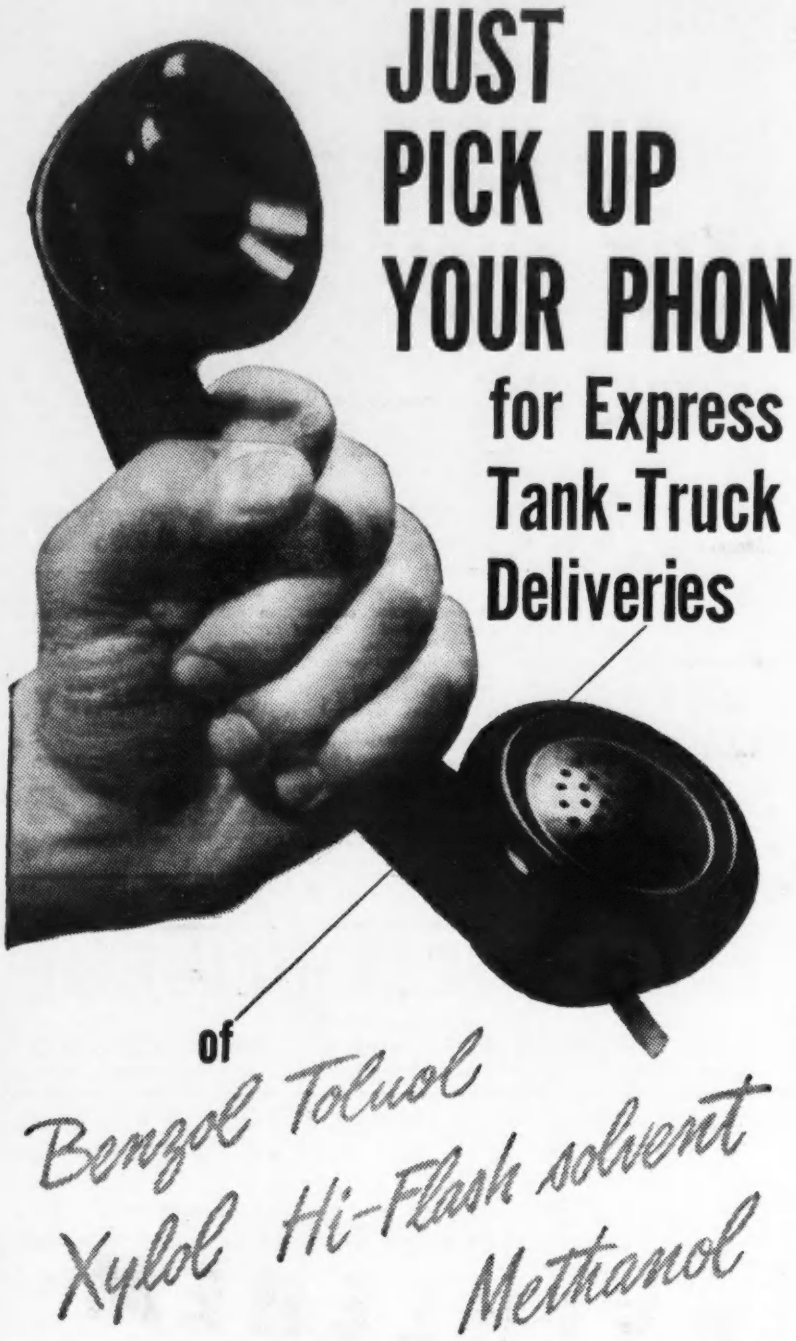

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Coaltar Chemicals

Benzol and toluol prices were advanced by some producers at certain points last week. Benzol was up two cents and toluol one to two cents. Xylol was unchanged. Two degree pyridin was reduced 5c. per lb. Since all producers did not move, the week's action had no effect on the market index figure.

In other sections of the industry, the revisions were being studied and it was thought possible that there might be further advances before long. Benzol and toluol were still not entirely free as to supply, while demand remained strong.

Whether there would be revisions in the prices of materials other than the solvents was difficult to say. There had been some talk of new prices but there were no definite indications that any would be immediately forthcoming.

Although there were still some tight spots in the market, supplies in general were improving now that the strikes were over and the production schedules were approaching normal.

The American Iron and Steel Institute reported that companies having 94 percent of the capacity of the industry were scheduled to produce at 94.5 percent of their potential. This was equivalent to 1,742,100 tons of steel ingots and castings as compared to 1,734,700 tons for the previous week, and 1,597,000 tons for the corresponding period a year ago.

Basic Products

Benzol—The price of this material was advanced 2 cents per gallon effective December 19 by some producers. Certain other producers had as yet not gone along with the price advance, but had the matter under consideration and were as yet undecided as to just what effective date they would establish. Typical of the current price movement underway, was an f.o.b. works price of 22c. per gallon in such districts as Birmingham, Chicago, Pittsburgh, and Cleveland.

Supplies of the coaltar item were still on the light side and there were indications that they would continue that way, for the demand was at high levels and was likely to remain there for some time.

Coaltar—Output of this item was reported to be still not up to capacity in the South during the past week. In the North the production was making a better recovery from the recent strikes, but the return to normal was still not completed and it was said to be only moderate as to supply. It was difficult to estimate when output would be generally back to normal in all sections of the country. One producer said it seemed that the situation became more confused instead of clearer as time went on. Demand was running at fairly good levels and the indications were that it would continue that way. There were no price changes reported and there were no indications that there might be any revisions in the immediate future.

Creosote—No price changes were reported in this material during the period under review and there were no indications that there would be any revisions in the immediate future. The supply of the item was still adequate. The domestic output had been set back somewhat by the recent strikes, but since there was a good amount of it on hand when the strikes started, the item did not suffer greatly. Since the ending of the strikes, the supply had increased and there were currently no difficulties being encountered as far as the producing of the item was concerned. There was a good deal of the imported item being brought into this country recently and this boosted the supplies of the domestic goods. A good part of the imported item was coming from England, as it had been for some time, but in recent months there was an additional supply available from Germany. There was not always enough of the material coming from that country to make a full cargo, so it was being sent to England where the English material was added to it. There had also been reports that the Japanese industry was recovering but just how much, if any, of the material from that country was available for shipment was not known.

The demand for creosote was not seriously off, but it was still not strong enough to absorb all the material that was being produced in this country as well as goods that was coming in from abroad. There were varying opinions as to what the prospects for demand would be during the coming year. Some sources felt that the demand would remain about what it was during the latter part of this year while there were others who thought that business was likely to go on the upswing. In support of that theory, they advanced the information that the railroads seemed to be showing more interest and that there was also some more interest evident from the utilities, both of whom consume considerable amounts of the material for treatment of ties, poles and crossarms. It was also said that the high cost of timber was working in favor of the producers of creosote. With the cost of wood what it is, users of it were said to be in favor of treatment of the wood now rather than have to replace it later at costs that might very likely be no lower than they are today.

Cresol—The supply of this item was in an improved condition during the past week as a result of the recovery that the industry had made from the recent strikes in steel and coal. Demand was at fairly good levels and was expected to continue that way. Recently it had been noted that there was some easing in the demand situation and this was attributed to the fact that the panic-ordering was over. When the strikes were at their height, consumers naturally were fearful that they would not be able to get enough of the material and therefore ordered in large amounts, hoping that some of their requests would be satisfied. Now, with the picture returning to normal, the demand was assuming a more realistic tone. There were no changes reported in the price schedules during the period under review and there were no definite indications that there would be any in the immediate future.

Cresylic Acid—The demand for this item was still running at good levels during the past week although it was noted that there recently had been some slight easing. A good part of this was attributed to the fact that with the material freer as to supply, users were not so inclined to go in for "panic buying." Imported material was also available and was helping take some of the pressure off the supply of the domestic. During the past week it was reported that 670 drums arrived in New York from Liverpool, 100 from Avonmouth, fifty from London and fifty-five from Sydney. Domestic production was up to a higher level since the strikes were over. Pricewise, there were no changes and there were none suggested for the immediate future.

Naphthalene—The demand for this material was still running at good levels during the past week and the indications were that it would continue that way. The demand for phthalic anhydride was still strong, and while that material was wanted in large amount, naphthalene demand was likely to stay up. During the strikes, most naphthalene was going into the production of phthalic, but since the strikes ended and the situation became somewhat easier, naphthalene was again available for other uses. The supply was continuing to ease as the industry was returning to normal after the strikes. The domestic supply situation was being helped by the arrival of material from abroad. Most of this, it was thought, was ordered when the strikes were at their height and was still arriving. Dur-

Market Trends

Prices Advanced
None

Prices Reduced
Pyridin, 2°, 5c. per lb.

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
110.1	110.1	110.1	151.3

(*For Current Prices see Page 9*)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended December 10 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	965,930
Ammonia sulphate	lbs.	25,012,517
Benzol	gals.	3,151,983
Coaltar	gals.	11,692,843
Creosote oil	gals.	650,732
Naphthalene, crude	lbs.	1,145,488
Phenol	lbs.	183,018
Toluol	gals.	630,396
Xylol	gals.	142,347

For Late Market Developments, See Page 4

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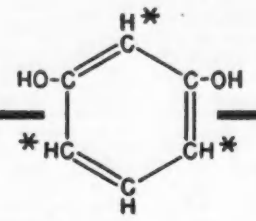

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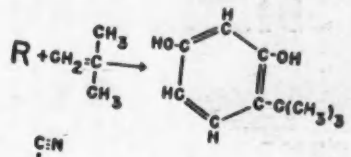

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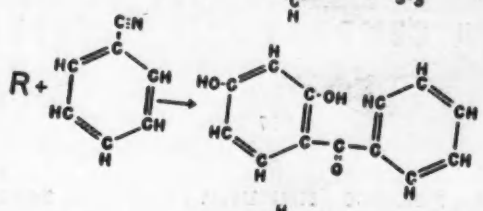

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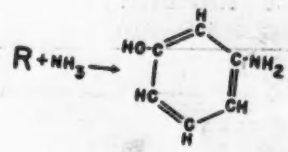
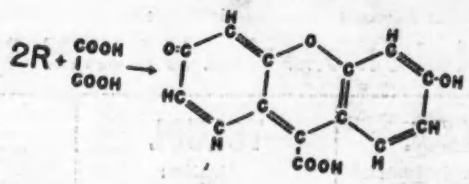
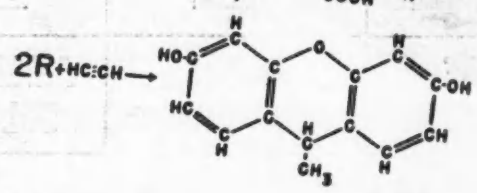


RESOXALIC ACID FORMATION:



VINYLATION-CYCLIZATION:



ing the week it was reported that 4,250 bags landed in New York from Antwerp, 3,761 from Rotterdam, 727 from Liverpool and 665 from Avonmouth. As far as the price listings were concerned, there were no changes reported during the period under review and there were no definite indications that there might be any in the immediate future.

Phenol—The synthetic material was reported to be back in a pretty good supply position during the past week as a result of a general acceleration in the industry now that the strikes were over. Demand was reported to be holding up to pretty good levels and the price structure was said to be unchanged. The recent announcements of benzol advances still had had no effect on the listings of phenol, although it was hard to say what effect such revisions might have on the material in the future.

Pyridin—Two degree pyridin declined 5 cents per pound, bringing carlot and less carlot quotations to 74½ and 75 cents per pound respectively. The denaturing and pharmaceutical grades generally were in about a balanced supply and demand position during the past week. Demand, on the whole, was said to be running at fairly good levels. This was the season when a greater demand could be expected for the pharmaceutical material. Some sources reported that they had noted a greater demand for use of the material in antihistaminic drug preparations, although that use.

Solvent Naphtha—Prices on this material were reported to be unchanged during the period under review and there were no signs of any revisions for the immediate future. The supply and demand were about in balance, now that the strikes were over and the industry was approaching normal again.

Toluol—There was developing in this market last week an advancing price structure. Some producers advanced prices on an f.o.b. shipping point basis by various amounts, taking into consideration the prevailing higher freight rates. Certain other producers had not as yet advanced their prices but had the matter under consideration as increasing costs were under review, and as yet the effective dates were undetermined. As an example of the developing price pattern, prices put into effect in some quarters as of December 21, listed toluol of nitration grade in the Pittsburgh district at 22 cents per gallon; in the Chicago district at 24½ cents per gallon; in the Cleveland district at 24¾ cents per gallon and in the Birmingham district at 22¼ cents per gallon.

Although the supply situation had improved since the ending of the strikes, the item remained in a somewhat tight position last week and was expected to continue that way for at least the immediate future. Demand was at good levels and the indications were that it would continue that way.

Xylol—As of press time there had not been established any price change in coal-tar xylol. Whether or not there would be any upward price adjustment in view of the benzol or toluol increases was a matter of conjecture, and could not be accurately reported at this time.

The material continued extremely tight last week and there was no considerable easing expected. Demand was running high and it was said by some sources that they would probably have no particular difficulty in moving their production for the next six months.

Intermediates

Metanitroparatoluidin—The supply of this material was reported to be reasonably good last week. There had been some scarcity, but in general this condition had improved. There were no changes reported in the price listings.

Nitrobenzene—Pricewise, the market for this item was reported to be without feature during the past week. Demand was running along about the usual rate while supplies were sufficiently high to make ordering no particular problem.

Phthalic Anhydride—The demand for this item was still strong last week. A short time back the demand for it seemed to show some slight signs of easing but it soon picked up again. One producer last week reported that it was shipping out of production, with no opportunity to lay away any backlog. It was reported that producers were booked ahead and it appeared that the product would be in a good demand at least through the month of January. There were no price changes during the week and no indications that there were any immediately anticipated.

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Coaltar Color Certification Increased Fees Listed by FDA

The Food and Drug Administration last week made public the schedule of its new fees for the certification of coaltar colors (OPD, 12/19/49). In addition to imposing new fees, the agency has amended its coaltar color regulations to provide that whenever the ratio between fees collected and the costs of providing the service during an elapsed period of time warrants a refund from the fund collected during that period, ratable refunds shall be made to those persons to whom the services were rendered and charged. The new fees are listed as follows:—

Straight FD&C colors, and lakes of FD&C colors listed in section 135.3 of the regulations—500 pounds or less, $50; over 500 pounds but not over 1,000 pounds, $50 plus 5 cents for each pound in excess of 500 pounds, and over 1,000 pounds, $75 plus 3 cents for each pound in excess of 1,000 pounds.

Straight D&C colors, and straight ext. D&C colors listed in sections 135.4 or 135.5, but not including lakes of these colors—750 pounds or less, $75; over 750 pounds but not over 1,000 pounds, $75 plus 5 cents for each pound in excess of 750 pounds, and over 1,000 pounds, $87.50 plus 3 cents for each pound in excess of 1,000 pounds.

Lakes of straight colors listed in sections 135.4 and 135.5—1,000 pounds or less, $100, and over 1,000 pounds, $100 plus 3 cents for each pound in excess of 1,000 pounds.

All mixtures and repacks—100 pounds or less, $6; over 100 pounds but not over 500 pounds, $6 plus 4 cents for each pound in excess of 100 pounds, and over 500 pounds, $22 plus ½ cent for each pound in excess of 500 pounds.

N. Y. Textile Chemists Plan January 13 Meeting

The New York section of the American Association of Textile Chemists and Colorists will meet in the New Yorker hotel, New York, on January 13. The guest speaker will be Dr. Leonard E. Ravich, vice-president in charge of research of the Vat-Craft Corporation, who will discuss "Photochemical Dyeing." Dr. Ravich will take up the use of optical and radioactive source material sensitizers in the photochemical development of dyestuffs.

General Dyestuff Names Dewing Boston Manager

General Dyestuff Corporation, New York, has appointed Warren M. Dewing manager of its Boston office, effective January 1, to succeed A. H. Pierce, who will retire on that date. Mr. Pierce has been associated with the company since its organization.

Calco Advances Researchers

Calco Chemical Division, American Cyanamid Company, has appointed H. E. Millson assistant director of the application research department in charge of the dyes technical evaluation section. Other research men advanced by the division are:—Dr. T. F. Cooke, named assistant director of the application research department in charge of the newly created products application section for the study and formulation of dyes, finishes and pigments for new uses and the investigation of new and better application methods, and R. J. G. Schofield, appointed a section director in charge of the textile dyeing and printing group of the dyes techincal evaluation section.

Rosenthal in Heart Fund Post

Morris S. Rosenthal, president of Stein, Hall & Co., New York, will serve as chairman of the exports and imports division of the 1950 New York Heart Campaign. The drive, which will open on February 14, is aimed at raising $750,000 for the fight against heart disease through a program of research, service and education.

Bids Wanted

Acetone, 6,000 pounds, Panama Canal (Washington 25) schedule 9469, January 6.

Aluminum paste, 2,500 pounds, Army Engineers Corps. (San Francisco, Calif.) invitation ENG-78, January 10.

Caustic soda, flake, 70,000 pounds, Navy Purchasing Office (New York 3) invitation 5976, January 10.

Chemicals & Drugs, various, Armed Forces Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 290, January 4; invitation 289, January 4; invitation 297, January 5; invitation 304, January 6; Veterans Administration (Washington 25) invitation A-46, January 6.

Cleansing solvent, 18,250 pounds, Erie Ordnance Depot (La Carne, Ohio) invitation 20, December 29.

2, 4-D, 2,000 gallons, Army Engineers Corps (Jacksonville, Fla.) invitation CIVENG-49, January 4.

Detergent, 100,000 pounds, Post Office Department (Washington 25) invitation 2163, January 6.

Fire extinguishing powder, gas expelled, 100,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-512, January 3.

Fish oil, 2,035 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 9874, January 11.

Freon, liquid, 6,670 pounds, Panama Canal (Washington 25) schedule 9469, January 6.

Gasoline & fuel oil, through April 30, Armed Services Petroleum Agency (Washington 25) invitation 18, January 3; through February 28, invitation 102, January 3; through May 31, invitation 40, December 27; from March 1, through August 31, invitation 64, January 5.

Hydraulic gear oil, 24,750 gallons, Navy Purchasing Office (New York 3) invitation 5943, January 12.

Lacquer, 1,500 gallons, Raritan Arsenal (Metuchen, N. J.) invitation 132, January 13.

Lubricants, various, Armed Services Petroleum Agency (Washington 25) invitation 31, January 6; from January 1 through June 30, invitation 59, December 28.

Mercury, metallic, redistilled, 595 pounds, U.S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 096-230, January 4.

Neoprene cement, 200 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 9871, January 12.

Nickel ammonium sulphate, 2,000 pounds, Navy Purchasing Office (New York 3) invitation 5947, January 11.

Oil, fuel, 300,000 gallons, U. S. Air Force (Eglin Base, Fla.) invitation 42, January 16; bunker C and diesel, Inland Waterways Corp. (St. Louis 2, Mo.) December 28.

Paint remover, 2,000 gallons, Quartermaster of the Marine Corps. (Washington 25) invitation 368, January 17.

Paint, enamel, 9,700 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50059, January 13; **various,** approx. 600 gallons, U. S. Air Force (Holloman Base, New Mexico) invitation 20, January 5; Army Engineers Corps. (Mobile, Ala.) invitation ENG-30, January 3; 3,000 gallons, Army Engineers Corps (San Francisco, Calif.) invitation ENG-78, January 10; approx. 28,912 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50046, January 6; 107,900 gallons, invitation 50045, January 9; 2,000 gallons, Federal Supply Service (Washington 25) invitation 5H-83854-R, January 3.

Photographic chemicals, various U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-504, January 3; invitation 096-222, December 30; developer, 8,000 gallons, Army Map Service (Washington 16) invitation S-24, January 5; developer and fixer Department of Justice (Procurement Section, Washington 25) invitation 6330, December 29; developer and acid hardener, Federal Supply Service (Chicago 6) invitation CH-15738, December 23.

Sodium nitrate, black powder, 15,000 pounds, Picatinny Arsenal (Dover, N. J.) invitation 139, January 4.

Starch, laundry, 120,000 pounds. Quartermaster of the Marine Corps. (Washington 25) invitation 367, January 24.

Thinner, pyroxylin lacquer, 17,500 gallons, Raritan Arsenal (Metuchen, N. J.) invitation 128, January 13; 10,000 gallons, invitation 129, January 13.

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Textile and Leather Chemicals

Conditions in the textile and leather chemicals market were quiet last week. Trading was slow, and confined to small lots for actual needs. Scarcity of cash corn resulted in a slight price advance in corn dextrin and starch. Edible egg albumen and yolk were weak as a result of the lowering of the egg support price to about 75 percent of parity for 1950 compared with 90 percent in 1949. This caused prices of albumen to decline 3 cents per pound and also eased the tight supply of egg yolk, which was cut 7 cents per pound for prompt delivery. The price index declined to 286.0, compared with 366.5 at this time last year.

Tightness in the potato starch situation also improved. Offers for shipment for January forward delivery were more liberal at prevailing quotations. Inquiry for early next year requirements was reported fairly active. Buying interest in tapioca flour was restricted to small lots for actual requirements.

Chestnut extract was easier and fractional declines were announced for liquid and powdered by producers. Other tanning materials were quiet, but were generally steady.

Cattle hide leather production in October totaled 1,870,000 hides, compared with 1,959,000 in September, according to Tanners Council, while calf and whole kip skins amounted to 886,000 compared with 831,000; goat and kid skins, 2,940,000 against 2,997,000 and sheep and lamb skins, 2,694,000 against 2,532,000.

The present grower support program for wool was extended through March 31, 1950, it was announced by the Department of Agriculture last week. The support rate is designed to average 42.3c. per pound, nationally for shorn wool, grease basis. This extension is aimed to cover a small amount of the 1949 wool crop in the latter part of the marketing season. A new support program to cover the 1950 crop will be announced later.

Chemicals

Acetic Anhydride — Increased interest was reported for early next year's requirements. Market was quiet and steady.

Bichromates—Conditions in this market were unchanged and steady. Business was slow, as is usual at this season. Quotations were firm. Production of sodium bichromate and chromate totaled 5,948 short tons during October, compared with 5,552 tons in September and 8,734 tons in October, 1936.

Sodium Acetate—Business was confined to small lots for immediate delivery. Quotations were unchanged. Supplies were adequate to meet demand.

Soda Hydrosulphite — Consuming inquiry was reported slow. Prices were maintained at former levels.

Sulphonated Oils—Demand was limited to actual needs. Quotations were well held.

Sizing Materials

Blood Albumin—Activity in this market was restricted to delivery against recent orders. Market was steady. Albumin and dried soluble blood were maintained at prevailing quotations.

Corn Dextrin—Firmness in cash corn increased prices of dextrin 5c. per 100 pounds. Demand was moderate for prompt needs. Processors guaranteed prices against advances up to December 31. Gum was advanced to $7 per 100 pounds, paper bags, carlots, New York basis; canary, $6.74; dark, $6.84, and white, $6.59, same basis. Less carlots were 15c. per 100 pounds higher.

Corn Starch—Prices were lifted 5c. per 100 pounds, due to the scarcity of cash corn. Heavy export demand has materially reduced cash corn stocks. Pearl starch was quoted at $5.32 per 100 pounds, paper bags, carlots, New York delivery, and powdered, $5.43, same basis. Smaller quantities were 15c. per 100 pounds more. The Department of Agriculture in its final report of the year estimated the 1949 corn crop at 3,377,790,000 bushels, some 20,172,000 bushels more than the November forecast. It compares with last year's production of 3,681,793,000 bushels and the 1938-47 average of 2,787,628,000 bushels. Visible corn supply increased 952,000 bushles to 46,391,000 bushels for the week ended December 17, compared with 40,542,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

Market Trends

Prices Advanced

Corn dextrin, 5c. per 100 lbs.
starch, 5c. per 100 lbs.

Prices Reduced

Chestnut extract, 25% tannin, 95c. per 100 lbs.
powder, 65%, 65c. per 100 lbs.
Egg albumen, edible, 3c. per lb.
yolk, domestic, 7c. per lb.
Chinese, 4c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
286.0	289.4	297.9	366.5

(*For Current Prices see Page 9*)

Egg Albumen—Lowering of the egg support prices to about 75 percent of parity for 1950 weakened the market last week and quotations were easier. Buying interest was lacking and offerings were more liberal. Edible flakes declined to $1.87 to $1.90 per pound, depending upon quantity and seller. Technical was easy and nominal at 80c. Producers' support price at 90 percent of parity expires December 31. The government has more than $90,000,000 worth of dried eggs, purchased to support the current program.

Egg Yolk—Tight supply condition has eased. Offerings for spot and prompt delivery were more liberal and available at lower prices. Domestic yolk was reduced to $1.33 to $1.36 per pound as to seller. Demand was slow. Chinese yolk was also easier and declined to $1.18 to $1.22 per pound, duty paid, spot delivery.

Potato Starch—Supply situation was reported easier and offerings for January forward delivery were more liberal. Trading was reported light and spotty. Prices were without change and steady. Carlots were quoted at 5c. per pound, f.o.b. works, Maine and 5¼c. to 5½c., Idaho. Supplies on the spot were maintained at 7¼c. per pound, exwarehouse. Dutch starch was inactive and offered at 6.35c. per pound, exdock. Final Department of Agriculture crop figures placed the 1949 potato production at 401,963,000 bushels, against 454,654,000 bushels in 1948 and the 1938-47 average of 393,403,000 bushels.

Rice Starch—Increased cost of replacements resulted in higher prices for spot stocks. Small lots were held at 12½c. per pound, bags, exwarehouse.

Sago Flour — Business was quiet. Prompt shipment was quoted at 4.90c. per pound, carlots, exdock and supplies on the spot were held at 5¼c.

Tapioca Flour—Small lots were moved for immediate needs. All grades were unchanged and well held. High grade was quoted at 9c. per pound, exwarehouse; medium, 7¾c. to 8c. and low, 7c., according to quantity.

Tanning Materials

Chestnut Extract — Lower prices were announced for liquid and powdered extract. Liquid, 25 percent tannin was reduced to 3.70c. per pound, barrels, carlots, works and powdered, 65 percent tannin, 10.40 per pound, bags extra, carlots, same basis.

Cutch—Conditions in this market remained steady. Inquiry for replacements was reported as fair. Shipments were maintained at 7c. per pound, exdock, duty extra. Arrivals at New York totaled 3,000 bags last week, for delivery against prior orders.

Mangrove Bark — While trading was slow, offers for shipments from South America were held at current quotations. Shipments from Africa continued unobtainable, though reports stated that offers for shipments were expected to become available shortly after turn of the year.

Myrobalans—Buying interest was slow last week. Prices and market conditions were unchanged. Arrivals were reported at 1,675 bags at New York last week for delivery against previous orders.

Quebracho Extract — Improved buying of late was reflected in the steady increase in imports of extract from primary sources. Last week arrivals totaled 16,300 bags at New York; 6,680 bags at Boston and 1,125 bags at Baltimore, against recent orders. Market was quiet and quotably unchanged.

Wattle—Heavy arrivals of bark and extract were noted last week against former orders. Imports of bark totaled 10,300 bales at New York; 275 bales at Norfolk and 1,650 bales at Baltimore. Arrivals of extract were reported at 3,620 bags at New York and 1,685 bags at Philadelphia last week.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

With the exception of a $4 per long ton advance in the price of castor beans, price movements in this market last week were confined to declines in drug items. Digitoxin was off $6.85 per gram from former levels due to the pressure of competition of the foreign produced alkaloid. In order to meet foreign competitive prices American producers were in the position of selling material at a substantial loss definitely below their manufacturing costs. A reduction was made in the price of streptomycin and dihydrostreptomycin varying on the net from 16 to 20 cents per gram, depending upon the level of sales. The index remained unchanged at 254.4.

Meanwhile, in industrial organic chemicals there was a marked price stability which characterized the market as the new year approached. The date for price change notification on first quarter contracts came and went without hardly any changes being made, and none that affected chemicals in this market. There was every evidence that there would be less price adjusting at the first of 1950 than at any time since OPA. Most industry leaders regarded this as a healthy situation, and looked forward to doing as much business in 1950 as in 1949.

This optimistic viewpoint which was characteristic of chemical industry whose output was directed primarily at domestic consumption, was not shared entirely by those firms where a significant percentage of business volume has been directed into export. Here two factors were in operation against American industry. The Marshall plan has apparently been successful to the point of getting much of the foreign chemical industry back into production on a scale equal to or better than the prewar level. In addition, the widespread currency devaluation made in the sterling areas has had a serious effect on American export business.

Consequently, the factors of dollar shortage in foreign nations, increased foreign industrial output, and devalued currency have added up to enabling foreign producers to offer many products in our export markets at prices below the American production costs. The overall effect has been, and more particularly in 1950 will be, a drastic reduction in American exports of chemicals. Accordingly, it was the considered opinion of several chemical firms that in planning for next year's business, it would be wise to figure primarily on domestic consumption.

Business volume done by drug wholesalers in October of this year as reported by 189 establishments was released by the Bureau of Census as $46,558,000. This was comparable to October a year ago, and off 6 percent from September of this year. The overall gain on a dollar volume basis, comparing the first ten months of this year and last, amounted to 1 percent.

Acetone—The price position of this item which has been firm over recent months was scheduled to remain unchanged for the coming first quarter of 1950. Tankcar prices were quoted at 7½c. per pound, while drum carlots were priced at 9c. and less than carlot drum quantities at 9½c.

Amyl Nitrite—This USP item was in limited demand under a firm price position in which quotations varied as to quantity from $1.75 to $1.83 per pound.

Apomorphine—The hydrochloride was quoted at $23.20 to $23.70 per ounce in a steady market in which supplies were quite sufficient to take care of all needs. Demand was expected to show a mild increase during the Winter months.

l-Arginine—This amino acid in kilo quantities was quoted at $140 to $150 per kilo. Demand was steady but limited. Supplies were said to be adequate.

Butyl Acetate, Secondary—This solvent, which over recent months has been in good demand from ample stocks, was firmly quoted for the next quarter at 10c. per pound in tankcars, 11½c. in drum carlots, and 12c. for less than carlot quantities. A sustained good business volume was expected to be characteristic of the market, at least through the first quarter.

Butyl, Alcohol, Secondary—This synthetic secondary alcohol was unchanged in price for the first quarter of next year, since the same contract price will prevail as existed for the fourth quarter of this year. Demand was reported as good, in line with solvent demand generally. Tankcars are quoted at 10 cents per gallon on a freight allowed basis, with drum carlots listed at 11½ cents and less than carlot drum quantities at 12 cents per pound.

Calcium Chloride—The USP granular material in drums was firmly priced at 30 cents per pound. Demand was characteristically limited because the USP item is not in much demand.

Carotene—Demand for this item was reported as good, and the increased production moving promptly into the market, mostly for use in coloring and in enriching oleomargarine with Vitamin A. Prices currently quoted on technical material having a potency of 1,350,000 A units per gram was 56 cents per gram packaged in tins, f.o.b. works. The 2,600 A units per gram in vegetable oil was quoted on an f.o.b. works basis at 22 cents per million units in tins and 20 cents per million units in drums. Microcrystalline carotene in oil having a potency of 400,000 A units per gram was quoted at 44 cents per million units, f.o.b. works.

Castor Oil—Prices on oil were steady, but beans were moving in a definitely stronger market, with sales reported at $111 to $112 per long ton.

Imports arriving at United States ports last week were heavy with a total of 118,620 bags of beans equivalent to 17,793,000 pounds, compared with 90,599 bags or 13,589,850 pounds the previous week, and 84,686 bags or 12,702,850 pounds during the corresponding week of 1948.

Total imports of beans since January 1 of this year amounted to 1,850,330 bags equivalent to 277,549,500 pounds, compared to 1,481,998 bags or 222,395,709 pounds during the corresponding period of last year.

Codeine—This narcotic enjoyed a steady good demand, and was in ample supply. Prices were unchanged from the levels prevailing over recent months in which, on a 100-ounce basis, the alkaloid was quoted at $13.25 per ounce, the hydrochloride at $11.85, the phosphate at $10.25, and the sulphate at $10.75 per ounce.

Desoxycholic Acid—Quotations on this item varied from $18 to $22 per pound in bulk quantities, with the weighted average of purchases reported as being made at the higher level. Supplies were limited.

Dextrose—Drum quantities of the USP grade were firmly quoted at 17¾c. per pound. Demand was steady at a moderate level, and prices were unchanged from levels prevailing over recent months. Supplies were abundant.

Diacetone Alcohol—Acetone free material which over recent months has maintained a firm price position was scheduled to hold the same price level during the first quarter of 1950. Tankcars were quoted on a delivered basis at 12c. per pound, while the technical grade, which is not acetone free, was quoted ½c. per pound higher.

Digitoxin—The market price of this item has undergone a marked decline, dropping from $15 per gram to levels as low as $9.10 per gram. The reason for the sharp price decline lay in the low price of foreign competitive material which now moves at prices below the costs of the American manufacturers. Accordingly, the latter were losing money on every gram they move at these low competitive prices. The market situation on this item was typical of several other items following the increased industrial output of foreign nations, together with their currency devaluations.

Dihydrostreptomycin—The net price to hospitals and to wholesalers on this item was markedly reduced last week by 16c. to 20c. per gram, depending upon the sales level. Hospital level quotations were now on a net basis of 60c. per gram and wholesalers level of prices were on a basis of 48c. per gram net. Supplies were reported as ample to meet all consuming needs.

Di-isobutylene—On an f.o.b. works basis tankcars of this item were firmly quoted at 5½c. per pound. In drum carlots

Market Trends

Prices Advanced

Castor beans, $4 per long ton.

Prices Reduced

Digitoxin, $6.85 per gram.
Dihydrostreptomycin, 16c. to 20c. per gram.
Streptomycin, 16c. to 20c. per gram.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
254.4	254.4	255.1	258.5

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

Dow Chemical Pins a Rose on The Press

On any newspaper, be it of the general news or business variety, a certain percentage of the editorial mail is expected to be adversely critical. The percentage of commendatory communications received is so infinitesimal that the editors of OPD felt themselves constrained upon to reprint in full the following communication from the Dow Chemical Company:

"The public relations department of the Dow Chemical Company today applied scientific analysis to its activities for the year 1949 and estimated it had belabored the American editorial fraternity with approximately 328.003 news releases, 146.7 special articles and 8,976,347.08 letters, memos, telephone calls and personal appearances.

"Further analytical procedure resulted in conclusive proof of the theory that the members of this fraternity, probably including editors, also qualify as members of the human race. In fact, our observations lead us to the incontrovertible conclusion that these people have qualifications far beyond those for standard membership.

"Considering these findings we are convinced that formal recognition should be made of the genuine pleasure our association with them has brought, and we extend to you and your associates our most sincere wishes for a truly joyous Christmas and a New Year that is bright, prosperous and full of the good things of life."

the price was 7c. per pound and in less than carlot drum quantities 7½c. per pound. Supplies were reported as adequate. Contract schedules for the first quarter of 1950 were unchanged in price from the current level of quotations.

Epichlorhydrin — This material was slated to hold the same price level in the first quarter of 1950 that has prevailed over recent months. Prices of 35c. per pound in tankcars, 36½c. in drum carlots and 37c. less carlot drum quantities were on an f.o.b. works basis. Supplies were ample, and demand moderate.

Ethyleneglycol — There was no change in this market, with prices, supply and demand steady. It was indicated in the previous issue that a West Coast new producer was in production on this item. Direct advice, however, stated that the time of plant production output is indefinite.

Ethylmorphine Hydrochloride—The 100 ounce price quotation on this item remained at $11.85 per ounce, unchanged from levels prevailing over recent months. Demand was reported as steady at a moderately good volume.

Fishliver Oils—This market was still in an inactive state particularly on the West Coast, and business in the East was reportedly at a low volume. Prices were unchanged, but a previous series of reductions had brought the price structure down to near the rock bottom.

Concentrates were unchanged in price over recent weeks, and synthetic vitamin A materials were holding firm. Supplies in all cases were abundant.

Hexyleneglycol—On a delivered basis the price structure on this item for the coming first quarter of 1950 was scheduled to be 12½c. per pound in tankcars, 14c. in drum carlots, and 14½c. in less than carlot drum quantities. This schedule was unchanged from the price levels prevailing during the last quarter of this year. Supplies were reported as ample to take care of the present strong demand.

Hexylresorcinol—This material in quantities of 50 pounds or more was firmly quoted at $17 per pound, unchanged from the lower price level this market assumed during the summer months. Supplies were quite ample to take care of all consuming demand.

Iso-octyl Alcohol—The tankcar price on this item remained at 27¾c. per pound on an f.o.b. works basis. On the same basis drum carlots were quoted at 29¼c. and less than drum carlots at 29¾c. per

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Isopropyl Alcohol—The demand for this alcohol was reported as relatively good, but with heavy stocks on hand from which substantial volume could be shipped promptly. The price structure which has prevailed on this item since July was destined to carry over into the first quarter of 1950, as first quarter contracts called for no upward price adjustment, and costs were such as to preclude the likehood of any price reduction, particularly in view of the apparently stable ethyl alcohol market.

dl-Lysine—This amino acid in kilo quantities was quoted varying as to quantity from $145 to $149 per kilo. Supplies were quite adequate to take care of the currently moderate demand.

Mesityl Oxide—There was no change in the price position of this item for the first quarter of 1950. Tankcars were quoted on a delivered basis at 11½ cents per pound, while drum carlots were listed at 13 cents and less than carlot drum quantities at 13½ cents per pound delivered. Demand was said to be holding up to a good level and informed sources were inclined to feel that a sustained good demand would characterize the market at least through the next quarter. Supplies were adequate to meet all consuming needs.

Methylethyl Ketone—A good demand was reported for this item which has increased steadily over recent months and the industry was looking forward to a sustained strong demand for the coming quarter. Prices were unchanged on contracts for the first quarter of 1950, with prices holding at 9 cents per pound in tankcars delivered. On the same basis drum carlots were quoted at 10½ cents pound. These prices were expected to carry over into the first quarter of 1950.

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Methylisobutyl Carbinol—The market position of this item was one of good demand on adequate supplies which moved under a firm price structure. The price

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Mo. Drug Club President

Neal M. Draper, manager of the St. Louis branch office of the Solvay Sales Division, Allied Chemical & Dye Corporation, has been elected president of the Associated Drug and Chemical Industries of Missouri for 1950. Mr. Draper, who succeeds Marvin Yates, of the Marvin Yates Company, served as first vice-president of the organization in 1949.

schedule for the coming first quarter of 1950 was unchanged from that which prevailed during the last quarter of this year.

Methylisobutyl Ketone — This solvent continued to enjoy a good volume of business and the prospects for a continued strong demand for the months immediately ahead were felt to be excellent. Prices for the first quarter of next year were scheduled at the same level as prevailed during the last quarter of this year.

Pentaerythritol—This polyhdric alcohol was being produced in large volume and moving promptly into manufacturing industry where it is used primarily as a chemical intermediate. The strong demand which has characterized the market over recent months was expected to continue, and the supply was reported as in good balance with demand. Prices were unchanged from the carlot quotation of 29 cents per pound, and no change was expected to develop in the months immediately ahead.

In much less demand, use, and volume were the pure di and tri isomers of pentaerythritol. Their price position, however, was steady and not likely to change in the near future.

Pyridoxine Hydrochloride—This vitamin material was quoted in a firm market at 55c. per gram, a price level which has been held steady in this market for a long time. There was a steady limited demand which could promptly be supplied from ample stocks.

Streptomycin—This antibiotic was reduced in price bringing the net quotations to hospitals down to 60c. per gram, and the net quotations to wholesalers down to 48c. per gram. Demand was reported as continuing strong with the supply position ample and sufficient to take care of domestic needs and allow some for export.

Brazil's Ministry of Education and Health has been granted a credit of two million cruzeiros for the purchase of streptomycin in the United States, material so acquired to be distributed among hospitals in Brazil.

dl-Threonine—This amino acid in quantities of 100 grams was quoted at $115 per 100 gram bottle. Demand was limited, and sales were usually confined to quantities of 100 grams or less.

dl-Tryptophane—This amino acid in quantities of one kilo and up, ranged in price depending upon the quantity, from $207 to $242 per kilo. Supplies were quite ample to take care of current consuming demand.

Vaughn Elected Chairman Of ACS Detroit Section

Thomas H. Vaughn, Wyandotte Chemicals Corporation, has been chosen chairman of the Detroit section of the American Chemical Society for the coming year. Others elected were:—Chairman-elect, J. Russell Bright, Wayne University; secretary, John L. Eaton, Sharples Chemicals Corporation, and treasurer, Albert G. Gassmann, Ethyl Corporation.

Dr. Vaughan announced the appointment of the following committee officers:—Educational, George E. F. Brewer, Marygrove College; employment, Dan Trivich, Wayne University; entertainment, James R. Gilmartin, Fisher Scientific Company; hospitality, Eugene A. Kampman, E. H. Sargeant & Co.; program, George W. Moersch, Parke, Davis & Co.; publication, Arthur Ash, Wyandotte, and publicity, George M. Wolf, Sharples.

Columbia Drug Company Completes Half-Century

December 28, 1899, Smith Brothers (not those of cough drop fame) who operated a wholesale grocery business in Savannah, Ga., converted the enterprise to the wholesaling of drugs, and named it the Columbia Drug Company. The grocery business had been established by the Smiths (Abraham, Emanuel, and Henry) in 1883.

Abraham E. Smith was president of the drug company from its organization until his death in 1924. His son, Jacob G. Smith, who succeeded him, was active also as a member of the N.W.D.A. board of control. Jacob G. Smith died in 1946. His son, Kayton Smith, became president and still heads the company. Another grandson of Abraham is assistant to the president; he is Dean Smith.

The company has published an interesting brochure, "50 Years of Fashions in Drugs," in commemoration of its semi-centenary.

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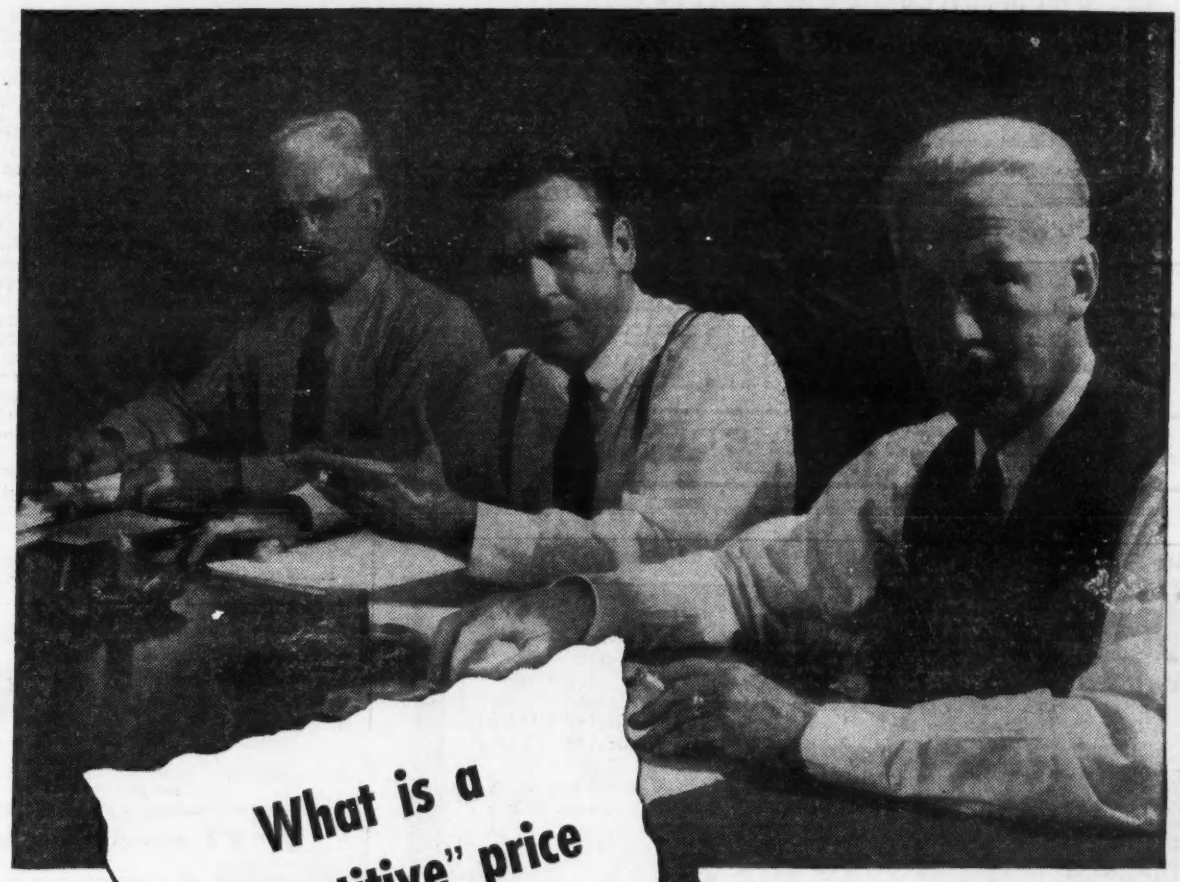

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Sterling-Winthrop Names Dennis to Biological Post

Dr. E. Westervelt Dennis, formerly associate director, has been appointed director of the biological division of the Sterling-Winthrop Research Institute, a division of Sterling Drug, Inc. He succeeds Dr. Lloyd Miller, who is leaving the institute to become director of revision of the United States Pharmacopoea.

As head of the biological division, Dr. Dennis will direct the work of the research sections of biochemistry and endocrinology, pharmacodynamics, and chemotherapy. He retains the position as head of the chemotheraphy section.

FDA Liver Probe

—Continued from page 4

and the agency will take no exception to the sale, prior to the effective date of the new Formulary, of products conforming to the definitions.

Should any manufacturer use a preparation of liver different from one of the USP or NF preparations, it will be his obligation to designate such preparation by a name which will clearly differentiate it from any official title and which will give full information as to its character.

FDA said that it must evaluate all therapeutic claims made in the labelings of official products; and in the case of unofficial products must determine the circumstances under which a liver preparation is to be regarded as an "active" or nutritionally significant ingredient, justifying reference to liver in the name of the article or elsewhere in its labeling.

To aid it in reaching conclusions, the agency invited the submission of pertinent information. Data for scientifically controlled experimental studies based on the use of specifically defined preparations will be particularly helpful, it was stated. Vague or hazy impressions based on inadequate or ill-controlled studies, particularly with reference to the effects of combinations of liver preparations with other drugs or nutritional factors which throw little or no light on the effect of the liver ingredient, obviously will not be helpful.

FDA's policy in evaluating the labeling of the liver products—official as well as non-official preparations—will include consideration, among other things, of the following points:—

1. What therapeutically active or nutritionally significant ingredient or ingredients they contain.
2. What therapeutically or nutritionally useful purposes they serve.
3. In what dosages per day are they efficacious for such purposes.

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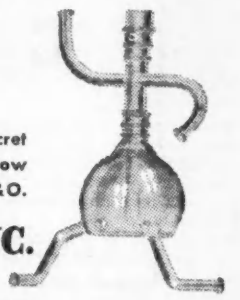

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DCAT Issuing Seal For Advertising Use

The Drug, Chemical and Allied Trades Section of the New York Board of Trade is issuing reproductions of a seal designating membership in the association, for use in advertising. Copies of the seal in several sizes are available, and members wishing to use it may obtain a plate by writing Miss Helen L. Booth, secretary of the association, at 291 Broadway, New York.

Van Ameringen-Haebler Moves

Van Ameringen-Haebler, Inc., manufacturer of basic perfume materials, New York, has moved its main offices and laboratories to 521 West Fifty-seventh street from its old location at 315 Fourth avenue. The telephone number at the new address is CIrcle 6-2700. The new offices have been laid out to provide convenience for laboratory and executive personnel and to expedite production flow.

FDA Hearings

—*Continued from page 3*

dium fluoaluminate (Cryolite); sodium fluoride; sodium fluosilicate; zinc nicotinyl fluosilicate.

Glyoxalidines (341) heptadecyl and others; hellebore; heptachlor (E-3314); 1,2,3,4,5,6-hexachlorocyclohexane (BHC); hexaethyltetraphosphate (HETP); hydrocyanic acid (HCN); hydrogenated rotenone; hydroxymercurichlorophenol (Semesan); 8-hydroxyquinoline.

Kerosene (Deobase); lead arsenate (acid and basic); lime sulphur; lindane (purified gamma isomer of BHC); magnesium arsenate; manganese arsenate.

Mercury compounds—Mercuric chloride (bichloride of mercury); mercuric oxide (yellow oxide of mercury); mercurous chloride (calomel); various organic preparations.

Metaldehyde; methoxyclor; 2,2bis(p-methoxyphenyl)-1,1,1-trichloroethane (Methoxyclor); methyl bromide; methyl chloride; mineral oil; monochlorophenoxyacetic acid, acid, salts, esters and amines.

Nabam; naphthalene; napthaleneacetic acid, acid, esters, salts and other derivations; nicotine alkaloid, suphate and other forms; octamethylpyroposphoramide (Pestox 3).

Paradichlorobenzene (PDB); parathion; paris green; petroleum oils; phenothiazine; phenoxathiin.

Phenoxyacetic acid, various chlorinated acids together with derivatives; phenyl mercuric triethanol ammonium lactate (puratized ag. spray); phenyl mercury acetate; piperonyl butoxide; piperonyl cyclonene; polyethylene polysulphide; "potassium antimonyl tartrate (tartar emetic); n-propyl isome; pyrethrum; quassia; 8-quinolinolates (8-quinolinol (8-hydroxyquinoline), organic derivatives, and various metallic salts); ryania.

Sabadilla; selenium, all preparations; sodium arsenite; sodium cyanide; sodium fluoaluminate (Cryolite); sodium fluoride; sodium fluosilicate; styrene dibromide; sulphur, various forms and preparations; sulphur dioxide.

Tar distillate; tetrachloro-p-benzoquinone (Chloranil, Spergon); tetrachlorodiphenylethane (TDE, DDD); tetraethylpyrophosphate (TEPP); tetraethyldithiopyrophosphate (sulphur analog of TEPP); tetramethylthiuram disulphide (Thiram); thiocyanates (Lethanes, Thanite), all organic and inorganic preparations; toxaphene (chlorinated camphene); trichloroacetic acid (TCA) acid, salts, and other preparations; 2,4,5-trichlorophenoxyacetic acid (2,4,5-T), acids, salts, esters and amines.

Zinc arsenite; zinc dimethyl dithiocarbamate (Ziram); zinc ethylene bisdithiocarbamate (Zineb); zinc lime; zinc oxide; zinc sulphate, basic; Zineb; Ziram.

88R; 118 (Aldrin); 264 (synergist for pyrethrins); 341; 497 (Dieldrin); CS645A; CS674A; 923; K-1875; E-3314 (Heptachlor); K-6451.

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Imports at United States Ports

New York

ADRAGANTE GUM—8 bgs, Near East Trading Co, Southstar, Istanbul

ALOES—87 ctns, R J Prentiss & Co, African Crescent, Cape Town

AMBRETTE SEED—15 bgs, Dupont, Inc, Joshua, Port Au Prince

AMINOPYRINE—7 cks, Averdyk, Antwerp

ANILIN COLORS—56 dms, American Lawyer, Antwerp
17 cks, American Farmer, Havre
1 dm, American Farmer, Havre
20 dms, Ciba & Co, Niew Amsterdam, Rotterdam

ANTIMONY ORE—1,410 bgs, Philipp Bros Co, Santa Maria, Antofagasta
600 bgs, Associated Metals & Minerals Corp, Santa Maria, Antofagasta

REGULUS—28 cks, C Gitlan, Averdyk, Antwerp
50 cs, J W Hampton, jr, Co, Averdyk, Antwerp

ARABIC GUM—500 bgs, Henry Heide Co, John Bakke, Port Sudan
455 bgs, S B Penick & Co, John Bakke, Port Sudan
153 bgs, Innis, Speiden & Co, John Bakke, Port Sudan
150 bgs, Orbis Products Corp, Exchange, Port Sudan
7 bgs, G H Lincks Co, American Farmer, Havre
150 bgs, S B Penick & Co, Ernebank, Port Said
750 bgs, Henry Heide Co, Ernebank, Port Said
150 bgs, William E Martin, Ernebank, Port Said
750 bgs, National City Bank, John Bakke, Port Sudan
250 bgs, R D Heins Co, John Bakke, Port Sudan
150 bgs, F.A.G, Trading Co, Exchange, Port Sudan
500 bgs, Thurston & Braidich, Exchange, Port Sudan
250 bgs, Stein, Hall & Co, Exchange, Port Sudan
250 bgs, Meer Corp, Exchange, Port Sudan

ARECA NUTS—100 bgs, William E Martin Co, Steel Fabricator, Colombo

ASBESTOS, CRUDE—292 bgs, Berg Hedstrom, African Crescent, Cape Town

FIBER—7,274 bgs, Union Asbestos & Rubber Co, African Enterprise, Lourenco Marques
575 bgs, Johns Manville Corp, John Bakke, Fremantle

ASCORBIC ACID—21 cs, Robert Maersk, Antwerp

ASPHALT, PETROLEUM—68,938 bbls, Shell Oil Co, Patella, Curacao

BABASSU KERNELS—3,933 bgs, General Foods Corp, Jessie Maersk, Parnahyba
4,166 bgs, General Foods Corp, Holberg, Sao Luiz

BEESWAX—10 bgs, M Rothschild, Bacchus, Santiago
16 bgs, D Steengrafe, Bacchus, Santiago
14 bgs, E Vadillo & Ortuz, Bacchus, Santiago
30 bgs, Will & Baumer Candle Co, Bacchus, Santiago
23 bgs, C A Mackey Co, Elizabeth, Ciudad Trujillo
18 bgs, Machado & Co, Elizabeth, Ciudad Trujillo
9 pkgs, R D Heins Co, Ernebank, Port Sudan
36 bgs, Strahl & Pitsch Co, African Crescent, Dar Es Salaam
22 bgs, Southstar, Istanbul
64 bgs, Strahl & Pitsch, Inc, Marna, Puerto Barrios
200 bgs, S Zeitlins Sons, Mormacgulf, Santos
30 seroons, Lenape Trading Co, Telamon, Puerto Plata
56 bgs, Pierre De Savrel, Lisbon
64 bgs, F H Paul & Stein Bros, Houffalize, Luanda
24 blocks, T F Grant & Co, Exchange, Djibouti
64 pkgs, B Koster Co, Exchange, Port Sudan
422 pkgs, William Diehl Co, Exchange, Port Sudan

BERGAMOT OIL—40 dms, Irving Trust Co, Southstar, Messina
40 dms, Southstar, Messina
30 half cs, Guaranty Trust Co, Exchester, Messina
46 half cs, Exchester, Messina

BISMUTH—39 cs, Cerro De Pasco Copper Corp, Santa Maria, Callao
73 cs, Philipp Bros Co, Executor, Rijeka

BONE—629 bgs, Tupman, Thurlow Co, Jessie Maersk, Buenos Aires

MEAL—1,120 bgs, T M Duche & Sons Co, Mahenge, Antwerp
351 bgs, Irving Trust Co, Hermund, Antwerp

BUCHU LEAVES—5 bls, Meer Corp, African Crescent, Cape Town
6 bls, R J Prentiss & Co, African Crescent, Cape Town
10 bls, Peek & Velsor, Inc, African Crescent, Cape Town
25 bls, S B Penick & Co, Robin Kettering, Cape Town
8 bls, Parke Davis Co, Robin Kettering, Cape Town

CAFFEINE, ANHYDROUS—40 cs, Lo Curto & Funk Co, American Lawyer, Rotterdam
136 bbls, Lo Curto & Funk Co, Uruguay, Santos

CARAWAY OIL—16 cks, Norda Essential Oil & Chemical Corp, Averdyk, Rotterdam

SEED—200 bgs, A Gronowitz, Robert Maersk, Rotterdam
150 bgs, E J Spitz & Co, Robert Maersk, Rotterdam
200 bgs, C M Van Sillevoldt, Robert Maersk, Rotterdam
200 bgs, Kanvo Trading Corp, Robert Maersk, Rotterdam
100 bgs, J F Frank Co, Robert Maersk, Rotterdam
500 bgs, Levys Trading Co, Flying Clipper, Tangier
250 bgs, Catz American Seed Co, Niew Amsterdam, Rotterdam

CARDAMOM—60 cs, Karl H Landes Co, Ernebank, Colombo
23 cs, George Luieders & Co, Chinese Prince, Colombo
33 cs, William E Martin Co, Exchange, Colombo
23 cs, B H Old & Co, Steel Fabricator, Colombo

CARNAUBA WAX—175 bgs, Wessel, Duval & Co, Jessie Maersk, Parnahyba
250 bgs, Chase National Bank, Jessie Maersk, Parnahyba
374 bgs, Fred Henjes, jr, Jessie Maersk, Parnahyba
250 bgs, William Diehl & Co, Jessie Maersk, Parnahyba
125 bgs, Chase National Bank, Jessie Maersk, Parnahyba
350 bgs, Strahl & Pitsch, Inc, Jessie Maersk, Parnahyba
83 bgs, Strohmeyer & Arpe, Jessie Maersk, Parnahyba
88 bgs, F W Steadman & Co, Jessie Maersk, Parnahyba
163 bgs, F B Ross & Co, Jessie Maersk, Parnahyba
125 bgs, Innis, Speiden & Co, Jessie Maersk, Parnahyba
250 bgs, Bank of London, Jessie Maersk, Parnahyba
25 bgs, J W Hansen Co, Jessie Maersk, Parnahyba
56 bgs, Wessel, Duval & Co, Uruguay, Rio de Janeiro
56 bgs, Smith & Nichols, Inc, Uruguay, Rio de Janeiro

CASEIN—1,000 bgs, American British Chemical Supplies, Uruguay, Buenos Aires
1,500 bgs, American Cyanamid Co, Uruguay, Buenos Aires
500 bgs, Agro Products Corp, Uruguay, Buenos Aires
500 bgs, Uruguay, Buenos Aires
2,200 bgs, Borden Co, Uruguay, Buenos Aires
4,000 bgs, Crawford Co, Uruguay, Buenos Aires
313 bgs, Chemical Bank & Trust Co, Saint Malo, Bordeaux
334 bgs, F H Paul & Stein Bros, Saint Malo, Bordeaux
849 bgs, Saint Malo, Bordeaux
1,000 bgs, East Asiatic Co, Tekla, Buenos Aires

CASTORBEANS—847 bgs, Baker Castor Oil Co, Jessie Maersk, Parnahyba
3,386 bgs, Baker Castor Oil Co, Jessie Maersk, Parnahyba
3,400 bgs, Baker Castor Oil Co, Jessie Maersk, Bahia
1,700 bgs, Tunley & Co, Holberg, Recife
10,000 bgs, Loide Venezuela, Santos
9,500 bgs, Baker Castor Oil Co, Loide Venezuela, Santos
1,693 bgs, G H McFadden & Bros, Loide Venezuela, Santos
4,217 bgs, Guaranty Trust Co, Loide Venezuela, Salvador
1,694 bgs, Chase National Bank, Loide Venezuela, Salvador
729 bgs, Baker Castor Oil Co, Joshua, Port Au Prince
967 bgs, Baker Castor Oil Co, African Crescent, Dar Es Salaam
2,151 bgs, Baker Castor Oil Co, African Crescent, Mombasa
6,466 bgs, Baker Castor Oil Co, Loide Bolivia, Santos
6,787 bgs, Baker Castor Oil Co, Loide Bolivia, Salvador
8,500 bgs, Baker Catsor Oil Co, Tekla, Bahia
8,500 bgs, Baker Castor Oil Co, Mormacgulf, Santos
1,670 bgs, Robin Kettering, Dar Es Salaam
47,413 bgs, Baker Castor Oil Co, George, Cabedello

CELERYSEED—175 bgs, Otto Gerdau Co, John Bakke, Bombay
340 bgs, William E Martin Co, John Bakke, Bombay
170 bgs, Becker Mayer Seed Co, John Bakke, Bombay

CHEMICALS—2 cs, Givaudan-Delawanna, Exermont, Genoa

CHILLIES—120 bgs, William M Allison Co, John Bakke, Port Sudan
78 bgs, B H Old & Co, Robin Kettering, Dar Es Salaam

CINCHONA—2 cs, Guaranty Trust Co, Averdyk, Rotterdam

CHROME ORE—3,000 tons, E J Lavino & Co, Greystoke Castle, Karachi

CINNAMON BARK—13 bgs, L A Champon Co, Robin Kettering, Mombasa

LEAF OIL—10 dms, Chase National Bank, Robin Kettering, Mombasa

QUILLS—100 bls, Wessel, Duval & Co, Silverbriar, Colombo
200 bls, Louis Furth & Co, Steel Fabricator, Colombo

CITRIODORE OIL—13 dms, L A Champon Co, Robin Kettering, Mombasa

CITRONELLA OIL—100 dms, Lo Curto & Funk Co, Marna, Puerto Barrios
5 dms, Dodge & Olcott, Inc, Marna, Puerto Barrios
1 dm, Marna, Puerto Barrios
17 dms, Fruit Dispatch Co, Marna, Puerto Cortes

CLAY, BALL—1,440 bgs, Millmaster Chemical Corp, Bristol City, Avonmouth

CHINA—896 bgs, English China Clay Sales Corp, Bristol City, Avonmouth

CLOVE STEM OIL—46 dms, Lo Curto & Funk Co, Robin Kettering, Mombasa

COALTAR—2 dms, Sharpless Corp, Pipiriki, Sydney

COCONUT OIL—310 tons, Colgate-Palmolive-Peet Co, Greystoke Castle, Manila
158 tons, Leo Schumacher, Greystoke Castle, Manila

CODLIVER OIL—45 dms, Albumina Supply Co, Bastia, Lisbon

COLOMBO ROOT—740 bgs, W Willner & Co, Excambion, Beirut
95 bgs, W L Willner, Robin Kettering, Zanzibar

COPAL GUM—35 bgs, Gillespie-Rogers-Pyatt Co, John Bakke, Singapore
56 bgs, Gillespie-Rogers-Pyatt Co, Greystoke Castle, Manila
70 bgs, O G Innes Corp, Houffalize, Matadi
1,250 bgs, U S Industrial Chemicals, Inc, Houffalize, Matadi
1,187 bgs, O G Innes Corp, Houffalize, Matadi
500 bgs, Internatio Rotterdam, Inc, Houffalize, Matadi
100 bgs, Gillespie-Rogers-Pyatt Co, Houffalize, Matadi

CORIANDER SEED—490 bgs, M S Golombeck Co, Uruguay, Buenos Aires

CREAM OF TARTAR—500 bbls, T M Duche & Sons Co, Habana, Barcelona

CRESYLIC ACID—120 dms, George F Smith, Inc, American Builder, Liverpool
20 dms, Coaltar Chemicals Corp, American Builder, Liverpool
535 dms, Monsanto Chemical Co, American Builder, Liverpool
6 cans, Philipp Bros Co, American Builder, London
100 dms, Guaranty Trust Co, Bristol City, Avonmouth
50 dms, Harry Dixon & Sons Co, American Scientist, London
55 dms, American British Chemical Supplies, Pipiriki, Sydney

CUMINSEED—561 bgs, Moshi Cohen, Montgomery City, Khoramshahr
737 bgs, Forex Commodity & Trading Corp, Montgomery City, Khoramshahr
170 bgs, Zancobi, Montgomery City, Khoramshahr

CUTTLEFISH BONES—50 cs, Saint Malo, Bordeaux
350 cs, American Cuttlefish Bone & Crucible Co, Pierre De Saurel, Tunis

DILLSEED—80 bgs, Meer Corp, John Bakke, Bombay
100 bgs, S B Penick & Co, John Bakke, Bombay

DRIED EARTH—1,574 bgs, Reichard-Coulston, Inc, Exchester, Larnaca

DRUGS, CRUDE—7 bgs, S B Penick & Co, Exermont, Genoa
92 bgs, Peek & Velsor, Inc, Averdyk, Rotterdam

DYESTUFFS—100 cyls, American Export Co, Exermont, Genoa
50 cks, American Farmer, Havre
50 dms, Sandoz Chemical Works, Nieuw Amsterdam, Rotterdam
1 dm, Ciba & Co, Nieuw Amsterdam, Rotterdam

EPHEDRINE HYDROCHLORIDE — 13 kgs, Hermund, Antwerp

ERYTHRITYL TETRANITRATE — 10 cs, Burroughs Wellcome, American Scientist, London

ESSENTIAL OIL—26 dms, Villar & Osorio, American Lawyer, Antwerp
1 cs, Dodge & Olcott, Inc, American Farmer, Havre
1 cs, Stern Henry Co, American Farmer, Havre
17 dms, L A Champon & Co, Habana, Barcelona
1 dm, Roure Dupont, Inc, Exemplar, Casablanca

ESSENTIAL OIL—1 dm, Nagatuck Aromatics, Excambion, Marseilles
1 cs, Roure Dupont, Excambion, Marseilles
2 dms, van Ameringen-Haebler, Pierre De Saurel, Marseilles

EUPHORBIA HERB—31 bls, Peek & Velsor, Inc, Exchange, Tuticorin

FENNELSEED—100 bgs, Peek & Velsor, Inc, John Bakke, Bombay
100 bgs, Public National Bank, John Bakke, Bombay
200 bgs, Levy & Lewis Co, John Bakke, Bombay
240 bgs, Otto Gerdau Co, John Bakke, Bombay

FISH LIVERS—28 bbls, Bank of California, Pierre De Saurel, Tangier

MEAL—101 bgs, Albumina Supply Co, Santa Maria, San Antonio
171 bgs, Albumina Supply Co, Santa Maria, Antofagasta
400 bgs, Wilbur Ellis Co, Santa Catalina, Callao
1,250 bgs, Chase National Bank, Pierre De Saurel, Tangier

SCRAP—363 bgs, Woodward & Dickerson, Santa Maria, Callao

FLEASEED—70 bgs, Meer Corp, Beaver Victory, Bombay
351 bgs, Parke Davis Co, Beaver Victory, Bombay
372 bgs, S B Penick & Co, Beaver Victory, Bombay

FUEL OIL—96,000 bbls, Esso Standard Oil Co, Havbor, Aruba
105,076 bbls, Paragon Oil Co, Fincon Hills, Curacao
93,000 bbls, Esso Standard Oil Co, New Zealand, Aruba
104,580 bbls, Esso Standard Oil Co, Atlantic Refiner, Caripito
91,000 bbls, Esso Export Corp, Esso Aruba, Aruba
107,001 bbls, Esso Standard Oil Co, Lone Jack, Aruba
85,000 bbls, Mexican Petroleum Corp, Pan Maryland, Aruba
11,630 bbls, New England Petroleum Corp, Skotaas, Punta Cardon
13,000 bbls, Standard Oil Co, Esso Camden, Aruba
79,000 bbls, Wyatt, Inc, Esso Camden, Aruba
55,000 bbls, Esso Standard Oil Co, Fort Stephenson, Aruba
101,000 bbls, Esso Export Corp, Chattanooga, Aruba
74,854 bbls, New England Petroleum Corp, Brajara, Curacao
110,953 bbls, Esso Standard Oil, Col Callabee, Caripito
10,000 bbls, Asiatic Petroleum Corp, Santa Paula, Curacao

GENTIAN ROOT—201 bgs, R J Prentiss & Co, Bastia, Marseilles

GERANIUM OIL—2 dms, Norda Essential Oil & Chemical Co, African Crescent, Mombasa
6 dms, L A Champon & Co, Robin Kettering, Mombasa

GHATTI GUM—150 bgs, S B Penick & Co, Montgomery City, Khoramshahr

GLUE POWDER—10 bgs, F P Gaskell, American Scientist, London
300 bgs, Transatlantic Animal By-Products Corp, Ronda, Havre
1,600 bgs, Transatlantic Animal By-Products Corp, Ekefors, Vera Cruz

GLUTEN — 1 pkg, J H Orr, American Lawyer, Amsterdam

GLYCERIN—100 dms, Hercules Powder Co, Veendam, Rotterdam

GUM—201 bgs, Meer Corp, Steel Voyager, Khorramshahr
100 bgs, Randolph Valensi, Steel Voyager, Khorramshahr
200 bgs, Khoskorshahi & Co, Steel Voyager, Khorramshahr

GYPSUM, CRUDE—9,967 tons, U S Gypsum Co, Gypsum Prince, Hantsport
2,225 tons, Newark Plaster Co, M A Donnelly, Walton

HAARLEM OIL—8 cs, Hermund, Rotterdam

HENNA—1 bg, Near East Import Corp, Excambion, Beirut

ILMENITE SAND—5,000 tons, National Lead Co, Silverbriar, Koilthottam

INCENSE GUM—52 cs, R D Heins Co, Exchange, Aden
40 bgs, R D Heins Co, Exchange, Aden

IPECAC ROOT—20 bls, Rafael Del Castillo, Santa Monica, Barranquilla
23 bls, Wessel, Duval & Co, Santa Monica, Barranquilla
20 bls, Rafael Del Castillo, Cape Cod, Barranquilla
10 bls, Wessel, Duval & Co, Cape Cod, Barranquilla

IRISH MOSS—50 bls, S B Penick & Co, American Farmer, Havre

JABORANDI LEAVES—221 bls, Inland Alkaloid Co, Jessie Maersk, Parnahyba

JASMIN OIL—1 cs, Chemical Bank & Trust Co, Exchester, Messina

KARAYA GUM—333 bgs, Meer Corp, Beaver Victory, Bombay
257 bgs, Stein, Hall & Co, John Bakke, Bombay
76 bgs, Stein, Hall & Co, John Bakke, Bombay
160 bgs, Meer Corp, John Bakke, Bombay
134 bgs, Dodwell & Co, John Bakke, Bombay
246 bgs, J H Reed Co, John Bakke, Bombay
134 bgs, W M Allison Co, John Bakke, Bombay
246 bgs, Paul A Dunkel Co, John Bakke, Bombay

KIRILAC—175 bgs, Suhr, Budelman, Inc, City of Birmingham, Calcutta

KYANITE ORE—705 tons, Golwynne Chemical Co, Robin Kettering, Mombasa

LEMONGRASS OIL—1 dm, Stuart Bros Co, Marna, Puerto Barrios
10 dms, Norda Essential Oil & Chemical Co, Marna, Puerto Barrios

LIME OIL—9 cs, Neuman, Buslee & Wolfe, Uruguay, Port of Spain
37 cs, Dodge & Olcott, Inc, Uruguay, Port of Spain
48 cs, Ungerer & Co, Uruguay, Port of Spain
29 cs, Fritzsche Bros, Uruguay, Port of Spain

LIVERMEAL—619 bgs, Balfour, Guthrie Co, Uruguay, Buenos Aires

LOCUST BEAN GUM—600 bgs, Stein, Hall & Co, Robert Maersk, Rotterdam
201 bgs, Innis, Speiden & Co, Robert Maersk, Rotterdam
225 bgs, Stein, Hall & Co, Robert Maersk, Havre
25 bgs, Robert Maersk, Havre
30 bgs, Stein, Hall & Co, Exchester, Limassol
30 bgs, W M Allison & Co, Exchester, Limassol
25 bgs, T M Duche & Sons Co, Exchester, Limassol
320 bgs, Stein, Hall & Co, Bastia, Lisbon
300 bgs, Excambion, Genoa

MALT—11,897 bgs, Grace National Bank, American Lawyer, Rotterdam
420 bgs, Chase National Bank, American Lawyer, Rotterdam

MANGROVE EXTRACT—3,000 bgs, Saxe Cutch Corp, Chinese Prince, Singapore

MASTIC GUM—2 cs, Stamoulis Bros, Excambion, Piraeus
1 cs, D Costalos, Excambion, Piraeus

MEDICINAL LEAVES—17 bls, Peek & Velsor, Inc, Averdyk, Rotterdam
30 bgs, The Arles Co, Bastia, Marseilles

ROOTS—218 bgs, S B Penick & Co, Bastia, Marseilles
13 bls, Meer Corp, Bastia, Marseilles

METANIL ACID—10 dms, Wilson Import Export Co, American Lawyer, Amsterdam

MICA—13 cs, H E Botzow Co, City of Birmingham, Calcutta
505 cs, Brown Bros-Harriman Co, City of Birmingham, Calcutta
30 cs, Eugene Munsell Co, City of Birmingham, Calcutta
108 cs, Cornelius & Suhr, City of Birmingham, Calcutta
60 cs, Vilco & Co, Mormacgulf, Buenos Aires
40 cs, Brown Bros-Harriman Co, City of Birmingham, Calcutta
24 cs, Guaranty Trust Co, City of Birmingham, Calcutta
149 cs, J Henry Schroeder, City of Birmingham, Calcutta
554 cs, Asheville Schoonmaker Mica Co, Steel Fabricator, Calcutta
91 cs, Chartered Bank of India, Australia, & China, City of Birmingham, Calcutta
219 cs, Stein, Hall & Co, City of Birmingham, Calcutta
20 cs, Central Hanover Bank & Trust Co, City of Birmingham, Calcutta
20 cs, American Mica Works, Uruguay, Rio de Janeiro
20 cs, Ford Radio & Mica Corp, Uruguay, Rio de Janeiro
94 cs, Sylvania Electric Products Co, Uruguay, Rio de Janeiro
45 cs, Overseas Credit Corp, Uruguay, Rio de Janeiro
110 cs, Vilco, Inc, American Scientist, London
25 cs, Minerals & Insulation Co, American Scientist, London
101 cs, American Scientist, London
288 cs, Andrew Lager, Tekla, Rio de Janeiro
62 cs, Colonial Trust Co, Tekla, Rio de Janeiro
69 cs, Ford Radio & Mica Corp, Tekla, Rio de Janeiro
14 cs, Sigbert Loeb, Tekla, Rio de Janeiro
57 cs, Silvio Gagvine, Uruguay, Rio de Janeiro
1,209 cs, Eugene Munsell Co, Ernebank, Calcutta
1 cs, Saint Malo, Havre
112 cs, Otto Gerdau & Co, American Scientist, London
50 cs, Cornelius & Suhr Co, American Scientist, London
820 cs, Eugene Munsell & Co, Steel Fabricator, Calcutta
100 cs, Ameritex Industrial Mica Co, Steel Fabricator, Calcutta
37 cs, Whittaker, Clark & Daniels, Steel Fabricator, Calcutta
362 cs, Cornelius & Suhr Co, Steel Fabricator, Calcutta
220 cs, Otto Gerdau Co, Steel Fabricator, Calcutta
28 cs, Cornelius & Suhr Co, Steel Fabricator, Calcutta
329 cs, United Mineral & Chemical Co, Steel Fabricator, Calcutto
279 cs, H E Botzow Co, Steel Fabricator, Calcutta
76 cs, James F Garneau Co, Steel Fabricator, Calcutta
1,150 cs, Ameritex Industrial Export Corp, Steel Fabricator, Calcutta
1 cs, Asheville Schoonmaker Mica Co, Steel Fabricator, Calcutta
36 cs, Asheville Schoonmaker Mica Co, Exchange, Calcutta
75 cs, United Mineral & Chemical Co, Exchange, Calcutta
8 cs, Cornelius & Suhr Co, Exchange, Calcutta
24 cs, Schwab Bros Corp, Exchange, Calcutta
113 cs, Asheville Schoonmaker Mica Co, Exchange, Calcutta
3 cs, Gallagher & Ascher Co, Exchange, Calcutta
190 cs, Amritex Industrial Export Corp, Exchange, Calcutta
300 cs, Gillespie, Rogers, Pyatt Co, Exchange, Calcutta
150 cs, Ford Radio & Mica Co, Exchange, Calcutta
5 cs, Cornelius & Suhr Co, Exchange, Calcutta
137 cs, Cornelius & Suhr Co, Exchange, Calcutta

MOLASSES—10,113 tons, Athelduke, Korsor

MUSTARDSEED—300 bgs, Joel Bieler Co, Robert Maersk, Rotterdam
50 cs, M J Golombeck & Co, Robert Maersk, Rotterdam
60 bgs, Charles Gulden & Co, Robert Maersk, Rotterdam
150 bgs, Otto Gerdau & Co, Robert Maersk, Rotterdam
49 bgs, M J Golombeck & Co, American Scientist, London

WHITE—600 bgs, R T French Co, American Scientist, London
320 bgs, Old Dutch Mustard Co, American Scientist, London

MYROBALANS—1,316 bgs, Barkey Import Co, Ernebank, Vizagapatam
360 bgs, Barkey Import Co, Exchange, Bombay

NAPHTHALENE—4,250 bgs, Hermund, Antwerp
2,511 bgs, Charles Page & Co, Robert Maersk, Rotterdam
1,250 bgs, Fallek Products Co, Robert Maersk, Rotterdam
727 bgs, M J Corbett & Co, American Builder, Liverpool
665 bgs, Chematar, Inc, Bristol City, Avonmouth

NIGERSEED—200 bgs, Hartz Mountain Products Co, Beaver Victory, Bombay
133 bgs, Hinton & Co, John Bakke, Bombay

NUTMEGS—51 bgs, William E Martin Co, Exchange, Colombo

NYLON, SIZE—23 dms, Duplan Corp, American Builder, Liverpool

OCOTEA CYMBARUM OIL—54 dms, Dodge & Olcott, Inc, Tekla, Itajai

OLIVE OIL—122 dms, Moscahlades Bros, Excambion, Marseilles
25 dms, J W Elwell Co, Pierre De Saurel, Marseilles
24 dms, Southstar, Palermo

FOOTS—160 dms, Central Hanover Bank, Exchester, Messina

OPIUM—150 cs, Barr Shipping Co, Steel Voyager, Khorramshahr

ORRIS ROOT—108 bls, Excambion, Leghorn

OURICURY WAX—125 bgs, Brown Bros-Harriman Co, Loide Venezuela, Salvador
59 bgs, Bank of London & South America, Loide Venezuela, Salvador
56 bgs, Chase National Bank, Loide Bolivia, Salvador
56 bgs, F H Paul & Stein Bros, Loide Bolivia, Salvador
56 bgs, J W Hanson Co, Loide Bolivia, Salvador
112 bgs, Wessel, Duval & Co, Loide Bolivia, Salvador

OX GALL—4 trcs, Carl M Loeb Rhoades, Mormacgulf, Montevideo
5 trcs, Merck & Co, Mormacgulf, Montevideo

PALMAROSA OIL—1 dm, Volkart Bros Co, John Bakke, Bombay

PAPAIN—11 cs, Wolmet Raw Products Co, African Crescent, Mombasa
67 cs, Charles L Huisking & Co, African Crescent, Mombasa
42 cs, Charles L Huisking & Co, African Crescent, Tanga
10 cs, Charles L Huisking Co, Robin Kettering, Mombasa
37 cs, Wessel, Duval & Co, Robin Kettering, Mombasa
42 cs, Sarabhai Agency, Robin Kettering, Mombasa
16 cs, National City Bank, Exchange, Colombo

PAPRIKA—350 bgs, Exermont, Alicante
500 bgs, J Weinstein Co, Exermont, Alicante
300 bgs, J Navarro Co, Exermont, Alicante
450 bgs, A A Sayia Co, Exermont, Alicante
100 bgs, M A Porazzi, Exermont, Alicante
25 bgs, S A Railton, Exermont, Alicante
500 bgs, J M Rodriguez, Exchester, Valparaise
550 bgs, R T French Co, Bastia, Alicante
150 bgs, M A Porazzi, Bastia, Alicante
95 bgs, H Marmorek & Son, Bastia, Alicante
20 bgs, Bastia, Alicante
100 bgs, Executor, Rijeka

PATCHOULI LEAVES—67 bgs, L A Champon & Co, Robin Kettering, Mombasa

OIL—2 dms, Centflor Manufacturing Co, American Lawyer, Rotterdam
1 cs, Centflor Manufacturing Co, American Lawyer, Amsterdam
2 dms, Centflor Manufacturing Co, American Lawyer, Amsterdam
2 dms, Centflor Manufacturing Co, Averdyk, Rotterdam

PEACOCK BLUE, PERMANENT—4 bbls, Sinclair & Valentine, American Lawyer, Amsterdam

PEATMOSS—1,000 bls, E J Lang Co, Jules Fribourg, Rotterdam
200 bls, Hermund, Rotterdam

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PEPPER, BLACK—133 bgs, Level Export Corp, Exermont, Genoa
15 bgs, Levys Trading Corp, Flying Clipper, Tangier
80 bgs, Virchand Panachand, John Bakke, Bombay
160 bgs, Joensson & Cross, John Bakke, Bombay
80 bgs, M Golodetz & Co, Exchange, Alleppey
80 bgs, Paul Elbogen Co, Exchange, Alleppey

WHITE—291 bgs, Irving Trust Co, Flying Clipper, Tangier
70 bgs, Levys Trading Corp, Flying Clipper, Tangier

PEPPERMINT OIL—11 cs, W J Bush Co, Agwidale, Havana

PETROLEUM, CRUDE—121,335 bbls, California Refining Co, Kettle Creek, Puerto La Cruz
119,548 bbls, Socony Vacuum Oil Co, Esso Scranton, Puerto La Cruz
131,337 bbls, Socony Vacuum Oil Co, Olympic Games, Puerto La Cruz
189,841 bbls, Esso Standard Oil Co, Esso Montevideo, Puerto La Cruz
119,642 bbls, Socony Vacuum Oil Co, Perryville, Puerto La Cruz
122,065 bbls, Esso Standard Oil Co, Esso New Haven, Puerto La Cruz

PHARMACEUTICALS—9 cs, Eli Lilly Co, Agwidale, Havana

PHTHALIC ANHYDRIDE—2,858 bgs, Fallak Products Co, Mahenge, Antwerp

POPPYSEED—100 bgs, Levy & Lewis Co, Robert Maersk, Rotterdam
50 bgs, R J Spitz & Co, Robert Maersk, Rotterdam
100 bgs, J F Frank Co, Robert Maersk, Rotterdam

POTASH METABISULPHATE — 10 kgs, Beggs Bros, Bristol City, Avonmouth

PYRETHRUM FLOWERS—150 bls, U S Industrial Chemicals, Inc, Robin Kettering, Mombasa
250 bls, McLaughlin, Gormley & King Co, Robin Kettering, Mombasa
143 bls, P O Hoffman Co, Robin Kettering, Dar Es Salaam
753 bls, Gulf Oil Corp, African Crescent, Dar Es Salaam
619 bls, U S Industrial Chemicals, Inc, African Crescent, Mombasa
275 bls, McLaughlin, Gormley & King, African Crescent, Mombasa
500 bls, S Powell Co, Robin Kettering, Mombasa

—Continued on page 70

industrial
CHEMICAL SALES
division west virginia pulp and paper company
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POLYCEL CELLULOSE FIBERS
PRECIPITATED CALCIUM CARBONATE
SULFATE WOOD TURPENTINE
ALPHA PINENE
BETA PINENE
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INDUSOIL DISTILLED TALL OIL
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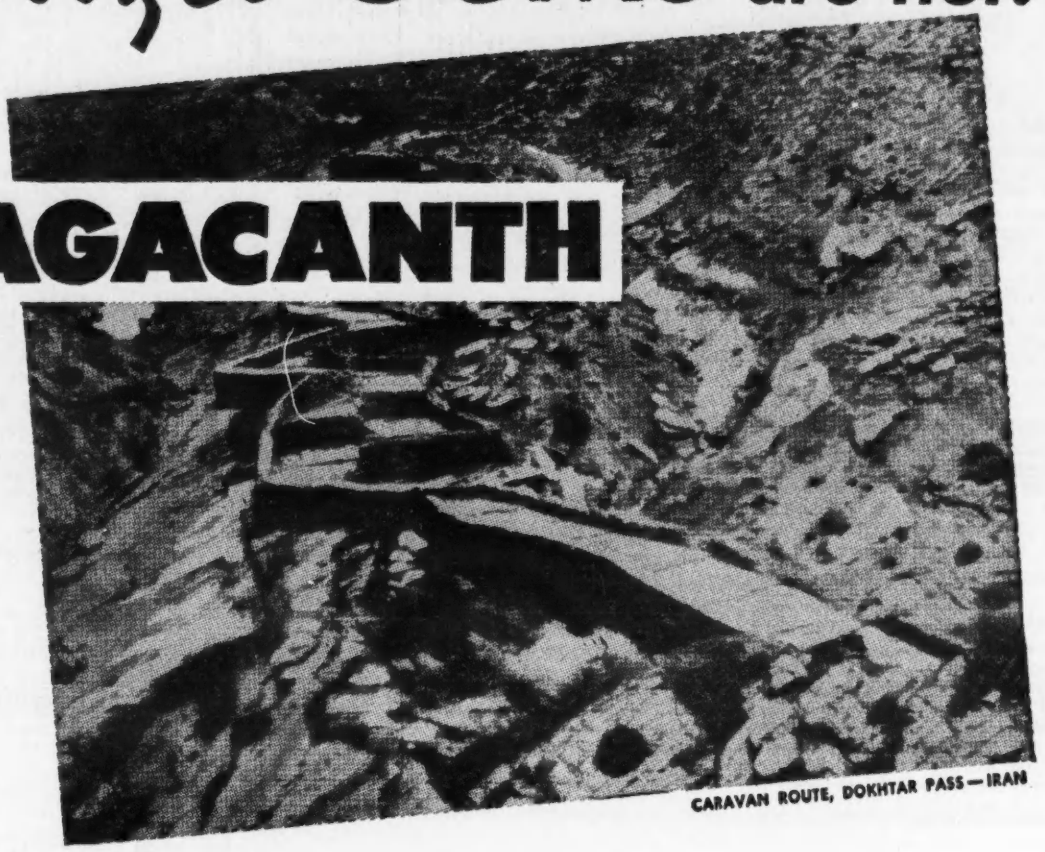

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BOTANICAL DRUGS • ESSENTIAL OILS • MEDICINAL CHEMICALS • AROMATIC CHEMICALS

Botanical Drugs, Spices, Gums

Botanical drug prices held steady throughout the past week and appeared to be backed by substantial stability at current levels. Condimental bontaics showed strength and price advances in Bourbon vanilla beans, Dutch caraway, decorticated cardamom, Honan and Yunnan cassias, French and Indian celery, Syrian cumin, and black pepper in all positions. Ginger was an easing item now under pre-new-crop season manuevers. Clove was off without being weaker anywhere. The market index held unchanged at 191.1 which compared with 198.9 prevailing a year ago after a drop of 0.9 point.

The year in vanilla beans appeared to be drawing to an end with prices being quite the strongest of the twelvemonth period. Mandrake was another botanical ending the year with a display of basic strength. Cardamoms could scarcely be any stronger than they were last week. And no discussion of individual item's market strength would be complete without mention of ergot, rhubarb, practically all products of China, domestic hellebore, lobelia, passion flower herb, horehound, and virtually all balsams.

A year ago, the final OPD for 1948 in reporting the botanical market said: "During the year, the entire price structure moved toward lower levels, but as the year draws to a close, some resistance to further declines seemed to be under development." The same sentence may well describe the current market with this exception: December of 1949 finds many items already much higher than their lowest price levels for the year and the resistance to further declines is much farther advanced than it was a year ago.

Balsams

Peru—The market remained strong at price levels reached by the recent advance. Some said that the values were apt to advance further when larger demand comes with the turn of the year.

Tolu—Local talk was about at $3 per pound market for this balsam later on. Minimum quotations on spot were $2.25 but numerous quarters refused business submitted at less than $2.45 to $2.50, basing this action on prevailing replacement costs.

Barks

Cocillana—Signs pointed to an improvement in movement to consumers after the turn of the year; considerable business involving January 1 invoicing went on the books of some sellers last week. Prices proved to be exceptionally steady.

White Pine—Sales thus far this season seem to have run slightly behind normal expectancy. However, values were rated already so low as to virtually prevent any further sagging of quotations. Stocks seemed more than sufficient for probable needs.

Beans

Vanilla—The market continued to advance and Bourbons stood at $4 to $4.25 per pound late last week with sellers showing substantial reserve in view of what it will cost to replace the currently not large stock of spot goods. Mexicans were virtually off the market and a bare market will prevail until new crop begins to reach here about next March. The stocks of Bourbon beans in foreign markets were reported in the hands of strong holders who appeared to realize fully the strength of their present position that in no small part has resulted from the major recovery of vanilla bean consumption by European countries.

Imports Detained by FDA

Week Ended December 16

New York

Caraway seed, 500 bags: filthy.
Cassia oil, 5 drums: not USP.
Chili pepper, 15 bags: filthy.
Cod oil, 655 drums: decomposed.
Coriander seed, 8,606 bags: filthy.
Nutmegs, 629 bags: moldy and wormy.
Olive oil, 8 cases: deceptive container; short volume.
Pepper, black, 587 bags: moldy and insect bored.
Pimento, 100 bags: filthy.
Poppy seed, 1,600 bags: filthy; moldy.
Rhubarb root, 18 cases; insect bored; live insects.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Caraway seed, Dutch, ¼c. per lb.
Cardamom, decorticated, India, 40c. per lb.
Guatemala, 35c. per lb.
Cassia, Honan, ½c. per lb.
Yunnan, ½c. per lb.
Celery seed, French, 1c. per lb.
Indian, 3c. per lb.
Cumin seed, Syrian, ½c. per lb.
Fennel seed, Indian, ¼c. per lb.
Pepper, black, spot, 1c. per lb.
Dec. arrival, 1c. per lb.
Dec.-Jan. shipment, 3c. per lb.
Mar. shipment, 2c. per lb.
Poppy seed, Polish, 1c. per lb.
Vanilla beans, Bourbon, 25c. per lb.

Prices Reduced

Drugs

Fenugreek seed, Moroccan, ½c. per lb.
Ginger root, African, 1c. per lb.
Jamaica, No. 1, 1c. per lb.
No. 2, 1c. per lb.
No. 3, 1c. per lb.

Other Articles

Clove, Madagascar, ½c. per lb.
Zanzibar, ½c. per lb.
Coriander seed, Moroccan, ¼c. per lb.
Pepper, red, Carolina, source, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
191.1	191.1	190.7	198.9

(*For Current Prices see Page 9*)

Berries

Cubeb — Some suggested that the replacement position of this item had begun to develop a firmer undertone, sufficiently so that most local tendency toward price shading seemed to have disappeared for the time being at least.

Raspberries — The market was not overly well supplied with dried berries and the value of the goods which were in hand was very firm and readily maintained in the absence of local competition.

Flowers

Lavender — Holiday sales of this item were reported about normal in size and conducted in a market that was in excellent price stabilization. Reserves were ample to meet demand between now and another European crop.

Linden—Not much has been done in this item for some time past and trade last week was strictly jobbing. However, first costs have put what amounts to a floor under spot quotations and the market remained very steady thereat in the period reviewed.

Gums

Benzoin — Fall business has been fair and with the season of best consumption spreading ahead, sellers expected that local quotations would remain very steady unless an easing of values shall develop in the primary market.

Myrrh — Cables revealed a substantial firmness to prices prevailing at the origin. On spot, demand current last week was strictly jobbing in size but some quarters expected an improvement to develop early in the new year.

Herbs and Leaves

Digitalis—Under the force of a fairly attractive inquiry for this material, it developed that no tendency to shade the current quotations existed on the spot. Though shopped competitively, the business could be placed only at full market prices.

Lobelia—Very little was obtainable in this market and not a great deal could be found in the domestic primary market collectors' warehouses. Prices were strong; far stronger than might have been warranted by immediate demand last week.

Marjoram — Argentine herb was nominal. So was Chilean and only small quantities of French could be found in this market. The latter continued to be strongly priced at 52c. to 53c. per pound.

Miscellaneous

Areca Nuts—Just enough demand for powdered material to establish the market existed last week. The lots sold were small in size and covered immediate requirements only.

Cantharides — It seemed likely that those stocking Chinese flies hold stocks sufficiently large to permit the item to escape thus far the implications of the political upheaval in China and the gen-

For Late Market Developments, See Page 4

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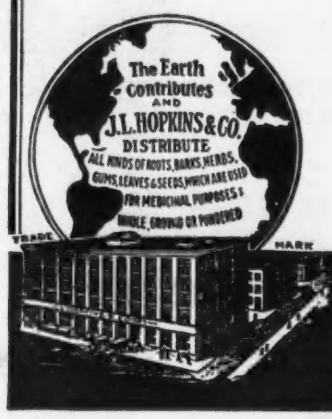
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eral strengthening of practically all Chinese products.

Ergot—The market was cited as nominal at $3.50 per pound but any quotation was subject to confirmation and it seemed more than likely that where goods had to be actually delivered, they would cost considerably above the nominal price as quoted. The stock was low and subject to conservation.

Roots

Aletris—Interest in this item has been limited to jobbing orders for some time past. However, strength continued unabated, mainly because of the fact that collections have decreased and primary market collectors often times think the decrease will be permanent because areas once producing the bulk of the crop have been virtually eliminated.

Hellebore—Prices were steady. Those prevailing on domestic root were usually subject to confirmation because of the low level of stocks and the higher prices paid for new crop in 1949. Imported hellebore was well maintained, remarkably so when the volume of demand in recent weeks was considered.

Mandrake — Country prices held with great firmness and though holders of the unsold balance of the 1949 crop believe that current quotations are basic and more apt than not to be succeeded by higher prices between now and new crop, the fact was that attempts to move a car or so last week at prices last named in the country did not succeed. Spot quotations were of substantial strength, based on relatively low supplies.

Rhubarb — Spot prices were not firm; they were subject to confirmation because of the fact that stocks in this market have been all but totally exhausted. And the detention of 18 cases of root recently arrived from China was an exceedingly bad break so far as supply was concerned. A very little buying could push prices sharply higher were it not for the fact that some suppliers are trying to keep values stable while hoping that shipments of larger quantities of quality root will be made from the primary market in the nearby future.

Seeds

Anise—Though the market lacked much demand, prices named on spot seemed to be definitely steady and readily maintained at quoted levels mainly because no easing of replacement prices has developed. Stocks could cope with a demand

—*Continued on page 57*

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Essential Oils, Other Aromatics

Demand for anethol and anisic aldehyde was the sales feature last week in the market for essential oils and aromatic chemicals. The call placed a severe strain on anise oil, the basic source for these materials, and arose among manufacturers of the new anti-histaminic drugs for the abatement of the common cold. Cassia oil was also on the up side and, in effect on the market index, checked against the sharply downward movement in East Indian sandalwood oil. Ocotea cymbarum oil was advanced again by scarcity resulting from the failure of dealers to buy that article in Brazil since they have been able to buy Japanese camphor oil plentifully at prices much below those on the Brazilian oil. Coriander oil was down sharply. The market index dropped 1.8 points to 104.0, which compared with 102.2 prevailing as an unchanged index a year ago.

In general, business was slower in most materials last week. The fall in orders was seasonal and some said the drop was less than that of normal experience at the end of most years. Prices in general were said to be stronger than at any time during 1949 and the outlook for the first quarter of 1950 was said to be excellent.

But the sale of anethol and anisic aldehyde to manufacturers of anti-histaminics was the feature. Anisic aldehyde received the greatest call and orders for 10,000 to 20,000 pounds were a commonplace. Anisic aldehyde is made from anethol, in turn a derivative of anise and fennel oils—mainly anise in actual practice. Since this sort of demand is expected to continue indefinitely, solution of the present problem of getting anise oil from China becomes imperative. And the commercial synthesis of anisic aldehyde may be not far off.

Another sales feature last week was the very heavy call for USP peppermint oil for use as a flavoring in the new ammoniated tooth powders and tooth pastes. This source of demand came almost as suddenly as that which developed for anisic aldehyde.

Market Trends

Prices Advanced

Anethol, 3c. per lb.
Bois de rose oil, 5c. per lb.
Cassia oil, 5c. per lb.
Ocotea cymbarum oil, 5c. per lb.

Prices Reduced

Coriander oil, $4 per lb.
Sandalwood oil, East Indian, 75c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
104.0	105.8	104.4	102.2

(*For Current Prices see Page 9*)

Essential Oils

Anise—Heavy demand for derived materials arising in quarters manufacturing some of the anti-histaminic drugs has placed a severe strain on the stock of anise oil from China. Although the market lacked change in price, some sellers did raise quotations. The range was $1.20 to $1.55 per pound but in some quarters minimum prices were $1.25 and $1.30 per pound. Most suppliers believed that the market on spot would go at least as high as $1.50 as a minimum quotation to consumers.

Bay—Indications were that the market was easing. Most suppliers' minimum price views were $1.20 per pound but indications of a market somewhere around $1 were found locally.

Bergamot—Demand was usually reported slow to fair but supplies were said to be excellent at the present time, probably the result of an extremely heavy landing recently noted in the reports on importations. Quotations seemed steady enough at $4.40 to $5 per pound with numerous dealers calling the market $4.50.

Bois de Rose—Minimum quotations remained at $2.95 per pound but one supplier raised quotations to a minimum of $3.60 from his former base of $3.50. Demand was said to be not too brisk, though a fairly active jobbing requirement reached some.

Cassia—Prices ended last week on the higher basis of $1.90 to $3 per pound, ranging thereat according to seller, quantity and quality. The supply situation was reported to be as tight as ever and nothing suggested an early easing of stocks. Demand was said to be moderate for the most part and lack of strong pressure for prompt delivery oil was said to account for a price position that was deemed too low when compared with available supplies and difficulties with respect to replacement purchases and shipments from the source.

Celery—Though oil prices lacked change, the strength lately developed in the celery seed market was counted a strengthening influence likely to produce higher prices if demand for oil shall show a gain. The call last week was moderate.

Citronella—Prices held unchanged at $1 to $1.50 per pound for Ceylon and $1.60 to $2.20 for Java or Java type oil. However, but a single supplier quoted the minimum prices above. Others had price views on Ceylon oil between $1.10 and $1.15 per pound and held firmly thereto. Stocks of Ceylon were reported to be satisfactory but those of Java were not superior in size. Some said that Ceylon oil was costing more at the origin.

Coriander — The market was down sharply to $25 per pound as minimum and $35 as maximum, varying between the two limits according to supplier. Stocks were reported as good, or fair, and one quarter indicated that there was "not too much around."

Cubeb—Former users of quantities of this article were said to have turned to other products during the war. They have never returned to cubeb oil. Demand has dwindled, permanently in the opinion of many. Stocks were ample. Some dealers no longer stock the item because of the lessened demand.

Dillweed—The range was narrower, having been reduced at its upper end. Quotations were $5.65 to $6.50 per pound as to dealer. Demand was said to be over for this year and another Fall must come before activity again becomes normal, it was said.

Erigeron—The few dealers stocking the item on spot reported almost total absence of consumers' inquiries. They continued to quote a market at $5 to $5.25 per pound.

Fennel — Spot stocks appeared more than sufficient to cover the probable requirements of most buyers for a considerable period of time. Demand was strictly jobbing at $2.50 to $3 per pound.

Geranium — While some shifting of prices, was noted in individual quarters, basically the market remained unchanged from its recent level of Algerian oil at $10.50 to $14.50 per pound and Bourbon oil at $12.50 to $14.50. The individual position of various dealers differed with respect to stocks. Some said there was enough available, others said the supply was small, and still others declared that stocks were very tight. Demand better than fair was lacking, which may have accounted for the stopping of the recent price rise.

Ginger—Nothing suggested any early liklihood of price easing. Not until the price of root shall become cheaper was it deemed probably that quotations on oil would begin to move back toward normality. Demand has shrunken as price views have expanded.

Grapefruit—Picking of new crop fruit should bring a resumption in production of this oil. At the moment, supply seemed equal to consumer needs and prices were steady at 75c. to $1.25 per pound.

Lavandin—The range was substantially wider, being $1.30 to $1.85 per pound according to dealer. The market was very firm on spot and at the origin, though actual demand during the past week was hardly important in size.

Lemon — Demand was reported to be routing, though on the whole it was about level with seasonal expectations. The price range on domestic oil was wider, being $2.75 to $3.25 as to seller—though the major supplier of domestic material maintained a market at $3.

Lemongrass — The spot market appeared to have achieved a fair degree of stability on the basis of $2.25 to $3 per pound. Demand has shrunken considerably so far as prompt delivery merchandise was concerned but some fair sized transactions for delivery after the turn of the year were written last week.

Lime—Prices were steady but demand was down to seasonal limits. Pressing requirements have been cared for and at the moment a period of relaxation in buying seemed to prevail.

Nutmeg—Higher prices on oil would appear to be forecast by recent price developments in nutmeg spice. However, oil is made from material not admitted for other consumption and the first cost

For Late Market Developments, See Page 4

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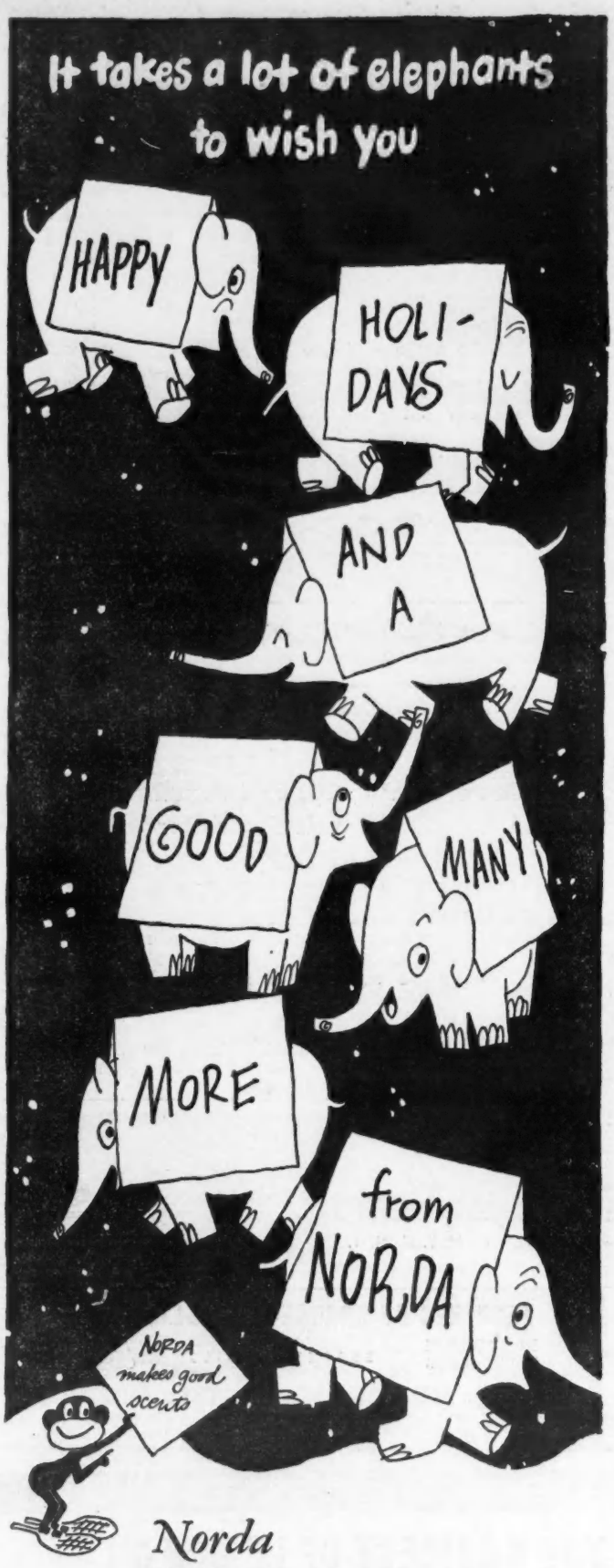

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of distilling nutmegs has yet to change much.

Ocotea Cymbarum — Spot quotations continued to rise as supplies decreased. The market ended last week at 75c. to 95c. per pound and only a few of the local dealers still had goods in hand. Real scarcity on spot, however, has been the result of dealers failing to buy in Brazil for the reason that they have been able to get plenty of Japanese camphor oil at prices much below those held recently on ocotea cymbarum oil in the Brazilian market. One quarter declared last week his inability to get oil at the source.

Orange—The market was one of routine activity that consisted mainly of orders that were jobbing in size. Prices remained generally steady in the absence of much competition.

Peppermint — The price rise has stopped, temporarily at least. Unsold stocks in the country were in strong hands but buyer resistence to rising quotations at the origin has tempered in some measure the disposition of holders there to immediately squeeze the market still higher. Some smaller makers of the new ammoniated tooth powders and pastes have been in the local market for supplies. The larger of such manufacturers have been active at the origin and in part have been responsible for the price rise.

Petitgrain—Although the market gave no outward sign of any inner easing of the market such as was reported in some quarters last week, the routine character of trading was of little influence on the apparently steady price position. For the most part, dealers kept spot and replacement prices in alignment.

Sandalwood—The expected price declines came with a rush last week when spot quotations were marked down to the basis of $11.50 to $16.30 by local dealers quoting local stocks. Goods in future arrival position were recently offered by one spot dealer as low as $10.50.

Spearmint—Stocks were reported to be plentiful and nothing at present suggests an early development of a squeeze. Most of the larger consumers have covered their needs between now and the marketing of the 1950 crop. Demand was strictly jobbing.

Aromatic Chemicals

Anethol—Heavy consumption of anisic aldehyde by manufacturers of the new anti-histaminics has drained rapidly the stocks of anethol available on this market. Consumption of anethol in turn has drained the market of liberal stocks of anise oil from China. At present, those wanting anethol have a tough time in getting more than small quantities for prompt delivery. Prices have worked up to 80c. to $1.10 per pound.

Anisic Aldehyde—Manufacture of anti-histaminics has caused huge orders for this derivative of anethol. Orders involving 10,000 to 20,000 pounds of merchandise have been a commonplace with some manufacturers and the latter said last week that everything suggests the continuence of such business. It was also said that such a demand would tend to bring the large scale commercial synthesis of this material.

Eugenol—This item has turned toward firmer position by reason of the upward swing in the cost of manufacturing clove oil from Zanzibar clove buds—the only buds available at the origins. Demand, however, has not shifted much as yet.

TGA Scientific Section Elects Lauffer Chairman

The scientific section of the Toilet Goods Association elected Dr. Paul G. Lauffer, George W. Luft Company, chairman at a recent meeting. Dr. Edward J. Masters was elected vice-chairman of the section. Dr. Lauffer, who was formerly vice-chairman, is factory manager of Helena Rubinstein, Inc., and was formerly manager of the Waterloo plant of Evans Chemetics, Inc.

Swiss Nestle Group Plans To Purchase Lamont, Corliss

The Swiss Nestle group, through its Western Hemisphere company, Unilac, Inc., has made arrangements for purchase of control of Lamont, Corliss & Co., manufacturer of Nestle's chocolate products. Lamont, Corliss will terminate the selling arrangements which it has had with Pond's Extract Company for more than forty years, as soon as Pond's can set up its own selling organization.

Unilac has held a 37 percent interest in Lamont, Corliss for many years, and the Swiss group owns the Nestle trademark throughout the world, with the exception of the United States and Canada, where it has been owned by Lamont, Corliss. The latter company will continue to operate under the same name.

Guenther and Speck Join Fritzsche 25-Year Club

Dr. Ernest Guenther, vice-president and technical director of Fritzsche Brothers, Inc., essential oils, New York, and Lloyd Speck, manager of Fritzsche Brothers of Canada, Ltd., recently completed twenty-five years service with the organization and became members of its Quarter-of-a-Century Club. Dr. Guenther was guest of honor at a dinner at the New York Athletic Club and Mr. Speck was honored at a luncheon in the Royal York hotel, Toronto.

Aries Engages A.E. Briod

Andre E. Briod, for 18 years with Nopco Chemical Company, is now connected with R. S. Aries & Associates, consulting engineer, New York. Mr. Briod will devote his efforts to commercial chemical development problems, principally in the food and pharmaceutical fields.

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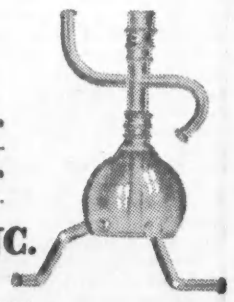
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ADMA Appoints Members To New Research Group

The American Drug Manufacturers Association has named a group of members to the newly established research administration committee of its research and development section. Those appointed to date are:—

Robert D. Coghill, Abbott Laboratories; Amel R. Menotti, Bristol Laboratories, Inc.; R. P. Parker, Calco Chemical Division, American Cyanamid Company; R. N. Lulek, Heyden Chemical Corporation; W. H. Lycan, Johnson & Johnson; J. H. Williams, Lederle Laboratories Division, American Cyanamid Company; E. C. Kleiderer, Eli Lilly & Co.; Robert L. McNeil jr., McNeil Laboratories, Inc.; L. A. Walter, Maltbie Chemical Company.

Albert J. Turner, Maywood Chemical Works; Randolph T. Major, Merck & Co.; Robert S. Shelton, Wm. S. Merrell Company; G. J. Martin, National Drug Company; R. H. Bullard, Norwich Pharmacal Company; Charles A. Cook, E. L. Patch Company; Carl A. Bunde, Pitman-Moore Company; Albert L. Raymond, G. D. Searle & Co.; L. Earle Arnow, Sharp & Dohme, Inc.; John M. Ort, Carroll Dunham Smith Pharmacal Company; M. W. Pratt, Smith Kline & French Laboratories; R. J. Dahl, E. R. Squibb & Sons; J. A. Morrell, R. J. Strasenburgh Company; R. S. Schreiber, Upjohn Company; L. Levan Manchey, Henry K. Wampole & Co.; C. L. Sondern, White Laboratories, Inc., and C. E. Graham, Wilson Laboratories.

Botanical Drugs

—*Continued from page 54*

considerably larger than now seems an early prospect.

Caraway—Dutch seed was revalued upward last week and sold in a fair way at 13¾c. to 14c. per pound in the absence of competition between local suppliers. Replacement was very firm.

Cardamom — Decorticated Indian seed was sharply higher at $3.10 to $3.15 per pound and was hard to obtain at any price. Guatemalan was also raised, ending last week at that price, also. Green Alleppey was advanced to $2.25 to $2.30. Bleach seed lacked change but was in light supply and was held at strong prices.

Celery—Prices named in cables from India climbed higher until spot quotations were forced to 24½c. to 25c. per pound when replacement futures became 24c. minimum. French seed was higher in France and the spot was raised to 27c. to 28c. per pound.

Coriander—The sole change in prices came in the Moroccan produce which was a small fraction lower at 9c. to 9½c. per pound.

Cumin—Syrian seed was reduced in stocks sufficiently to bring about a fractional advance in quotations; the market was 16c. to 16½c. per pound, which was slightly above the current quotations on Moroccan and Persian seeds.

Fenugreek — Moroccan seed was lower at 7c. to 7½c. per pound and the spot market was very dull thereat. Indian seed cannot compete in this market at this time since it would have to bring around 11c. per pound, based on late replacement cables.

Poppy—Polish seed continued to gain in strength as the availability of Dutch seed decreased. Polish rose to 16c. to 16½c. per pound and only limited quantities of Dutch seed could be bought at 18½c. to 19c.—which was in line with shipment prices.

Spices

Cassia—All prices were firm, especially those prevailing on China cassia which, at the origin, was becoming increasingly difficult to obtain in the shipment ports because connection with the interior of the Honan and Yunnan provinces was dislocated. Of course, Canton rolls were in even more difficult position at the origin. Broken Honan scraped rolls were quoted at 15c. to 15½c. per pound; unscraped rolls, 15c. to 15½c.; broken, 14½c. to 15c. Unscraped Yunnan cassia was priced identically with Honan.

Cinnamon—No. 2 Ceylon spice seemed slightly steadier at 21½c. to 22c. per pound but it was not certain that further recessions would not take place in view of prevailing competition.

Clove—Either Madagascar or Zanzibar spice on spot was held at 19½c. to 20c. per pound but at the fractional concession in prices both items seemed to be gaining steadiness. Importers were inclined to believe that primary market price drops had run their limit and that a firmer market was developing there.

Ginger—The market seemed to be easing gradually. New crops of African and Jamaica were in the offing. Spot African root was down to 42c. to 43c. per pound. Spot Jamaica declined to 47c. to 48c. for No. 1; No. 2, 46c. to 47c.; and No. 3, 45c. to 46c. Last prices cabled on the new crop Cochin ginger did not suggest a major supply of that article.

Nutmegs—East Indian spice was strong at the origin and though demand pressed less actively, strength in all markets seemed likely to continue. No easing of West Indian nutmeg prices was in sight last week.

Pepper—After sagging to $1.28 per pound, prices on spot black pepper rose to $1.30 but then returned to $1.28 per pound late last week. December arrivals were priced at $1.27 to $1.28. December-January shipment, up substantially to $1.23 to $1.24. January-March shipment, also higher at $1.20 to $1.21.

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Desoxycholic Acid

Pharmaceutical—Starting point in making cortisone (compound E).

Diglycolic Acid

Chemical—Suggested for use in making plasticizers and other synthetic organic chemicals.

Resin—Suggested for use in making resins.

Di(hydroxymethyl)nitromethane Dipropionate

Adhesives—Plasticizer (U.S. 2128136) in adhesive compositions containing cellulose esters.

Ceramic—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer (U.S. 2128136) for cellulose esters.

Cosmetic—Plasticizer (U.S. 2128136) in nail enamels and lacquers containing cellulose esters as base material.

Electrical—Plasticizer (U.S. 2128136) in insulating compositions, containing cellulose esters or resins or rubber, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (U.S. 2128136) in compositions containing cellulose esters or resins, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods.

Metal-Fabricating — Plasticizer (U.S. 2128136) in coating compositions, containing cellulose esters, used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (U.S. 2128136) in coating compositions, containing cellulose esters or resins or rubber, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2128136) in paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or resins or rubber.

Paper—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Plasticizer (U.S. 2128136) in making films from cellulose esters.

Plastics—Plasticizer (U.S. 2128136) in making laminated-fiber and molded articles and plastic materials from or containing cellulose esters or resins.

Resin—Plasticizer (U.S. 2128136) for resins.

Rubber—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used in the manufacture of coated fabrics.

Wood—Plasticizer (U.S. 2128136) in compositions, containing cellulose esters or resins or rubber, used as protective and decorative coatings on woodwork.

Dimethylcyclohexyl Oxalate

Adhesives—Plasticizer in adhesive compositions containing nitrocellulose or resins.

Ceramic—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer for nitrocellulose.

Cosmetic—Plasticizer in nail enamels and lacquers containing nitrocellulose as base material.

Electrical—Plasticizer in insulating compositions, containing nitrocellulose or resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating glassware.

Ink—Antiskinning agent in inks.

Leather—Plasticizer in compositions, containing nitrocellulose or resins, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose or resins.
Wetting agent for pigments.

Paper—Plasticizer in compositions, containing nitrocellulose or resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Plastics—Plasticizer in making laminated-fiber and molded articles and plastic materials from nitrocellulose or resins.

Resin—Plasticizer for resins, also for resin-cellulose derivative compositions and solutions.

Stone—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions, containing nitrocellulose or resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing nitrocellulose or resins, used as protective and decorative coatings on woodwork, or for many filling and repairing purposes on wood.

Ethyleneglycol

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Chemical—Process material in making glyoxal.

Explosives—Starting point in making nonfreezing explosives.

Mechanical—Ingredient of brakefluids.

Plastics—Process material in making transparent cellulose wrappings.

Radio—Ingredient of radio (station) condenser liquids.

Soap—Process material in making nonionic ethylene oxide detergents.

Textile—Process material in making synthetic fibers ("vinyon N" and "fiber A").

Hydroxyanisole, Butylated
(Tenox)

Fats, Oils, and Waxes—Antioxidant for lard and other fats.

Food—Antioxidant for lard and other fats.

Iodoacetic Acid

Chemical—Suggested for use in synthesis of organic compounds.

Pharmaceutical—Suggested for use in synthesis of pharmaceutical chemicals. Claimed to have valuable use in Huggins-Miller-Jensen cancer test.

Para-aminosalicylic Acid
(4-Aminosalicylic Acid, 2-Hydroxy-4-aminobenzoic Acid)

Pharmaceutical — Claimed to inhibit growth of the tubercle bacillus at low concentrations in vitro.

Propyleneglycol Monostearate

Chemical—Emulsifier for acid, neutral, or soapless compositions.

Cosmetic—Emulsifier in making brushless shave creams, greaseless creams, lotions, ointments, stocking, formulations.

Miscellaneous—Emulsifier for acid, neutral, or soapless compositions.

Protective Coatings Materials

Holiday lethargy began to make itself felt in last week's market and demand for a variety of coatings materials fell off slightly. Sole price movement during the period was in shellac, which went down. However, January 1 changes were announced for one line of petroleum hydrocarbon resins and for resinous chlorinated paraffin, advanced and reduced, respectively. The price index continued unchanged at 196.4.

Because of the year-end lull in the paint trade, such pigment materials as chrome and dry colors, earth colors and titanium dioxide were in lesser demand. Apart from some specialty organic toners, which were subject to minor delays in certain areas, stocks were said to be excellent all around. Prices were maintained, and sellers anticipated nothing for the first. In fact, earth pigments were believed assured of price stability, at least, through the first quarter of 1950.

Mica producers reported that advances were almost an imminent certainty. However, the boosts were said to hinge on the effective date of new wage increases, which key fact was still unknown at press time. Both supply and demand for this material were regarded as good.

One maker of petroleum hydrocarbon resins announced January 1 increases averaging one-half cent per pound on that line, the move stemming from higher labor and raw materials costs. Alkyds and other synthetic resins held firm. Orange shellac was lower, New York dealers noting a one-cent drop in lemon No. 2 and 2-cent cuts in superfine and TN lacs. Nitrocellulose held to previous schedules. No 1950 moves were known to be in the making.

Imported casein weakened at the outset only to regain its initial loss toward the close for no net change during the period. The late strength was attributed to an influx of European inquiries in the Argentine market. One seller of resinous chlorinated paraffin announced January 1 reductions amounting to 15 percent. Bone and hide glues were steady.

Prime Pigments

Chrome Colors—Demand was reported off slightly last week, a normal year-end trend. Stocks were plentiful all round. Prices were maintained at 36c. to 46¾c. for CP greens, at 12¾c. to 26¾c. for reduced greens, at 30¼c. for chrome orange, at 43c. for molybdate orange and at 30¼c. per pound for chrome yellow. The Bureau of Census, meanwhile, reported October production of CP greens at 1,431,000 pounds, which compares with 1,281,000 pounds turned out in September and 1,041,000 pounds produced in October, 1948. Combined output of yellow and orange aggregated 4,404,000 pounds in October, as opposed to 4,834,000 pounds in September and 4,080,000 pounds in October, last year. Molybdate orange production in October was reported at 704,000 pounds, as against 617,000 pounds produced in September and 526,000 pounds turned out in October, 1948.

Dry Colors—Call, which has been good for past months, was said to be down a little last week because of the seasonal lull in the paint trade. However, sellers expected resumption of buying after the turn of the year. Stocks were ample all along the line. Prices were maintained at previous price levels. The Bureau of Census reported zinc yellow production in October at 534 short tons, which compares with 567 tons turned out during the preceding month and 461 tons of pigment produced in October a year ago. Importations during the past seven days totaled 4 barrels of permanent peacock blue from Amsterdam.

Earth Colors — There were no price changes in last week's market, and none were anticipated for the balance of the year. In fact, it was believed that earth color stability would continue in force, at least, through the first quarter of 1949. With the exception of synthetic iron oxides, which remained in unusually heavy demand, interest was reported to be down due to year-end inventory taking. The supply position was excellent all around. Arrivals during the period totaled 226 bags of earth red from Avonmouth, 27 casks of earth sienna from Leghorn, 240 bags of umber from Larnaca, 160 bags of soluble vandyke brown from Avonmouth and 50 barrels of red iron oxide from Rotterdam.

Market Trends

Prices Advanced

Turpentine, gum, Savannah, ½c. per gal.

Prices Reduced

Shellac, lemon, No. 2, 1c. per lb.
Superfine, 2c. per lb.
TN, 2c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
196.4	196.4	199.7	224.3

(*For Current Prices see Page 9*)

Lead Pigments — Metal prices held steady last week at 12c., New York, and 11.80c. per pound, East St. Louis basis. Interest in derived pigments was down somewhat due to the year-end lull. Stocks were in good supply. With lead continuing firm, pigments were similarly without change.

Organic Toners — Lithol, para and toluidin toners were in ready availability during the period, although producers indicated that some specialty toners were subject to slight delays in certain areas. Demand on the whole was off a little, a normal situation at this time of year. There were no price changes, and none were contemplated.

Titianium Dioxide—The price structure remained on a par with previous levels during the past week. Sellers looked for no changes in the immediate future. Stocks were readily available to all buyers. Consuming interest was down somewhat, due in the main to the seasonal letdown in operations.

Zinc Pigments—Slabs held their ground at 9¾c. per pound, East St. Louis, last week. Oxides and other derived pigments were similarly firm. Stocks of these materials were not too plentiful, due to the continued strike at plants of one major pigments maker.

Fillers and Extenders

Calcium Carbonate—Importations during the period under review totaled 8,100 bags of whiting from Antwerp and Liverpool.

Clay—Arrivals last week were reported at 1,440 bags of ball clay, 896 bags and 400 tons of China clay from Avonmouth and Rotterdam.

Kyanite—Imports during the past seven days amounted to 705 tons of kyanite ore from Mombasa.

Magnesium Silicate — Received from abroad last week were 6,970 bags of talc from Marseille and Genoa.

Mica—The trade definitely indicated last week that a price rise was imminent. However, the extent and effective date of such a move was still uncertain as of press time, the entire matter hinging on the effective date of new wage increases. Meanwhile, demand and supply were both good during the period. Imports totaled 9,228 cases of mica from Calcutta, Rio de Janeiro, Buenos Aires and London.

The Government of India reported that mica exports from that country during 1948-49 were valued at approximately $12,440,000. The government was said to be examining the possibilities of setting up a factory for processing mica in Bihar.

Silica—Arrivals during the week totaled 82 casks of silica from Bordeaux and 480 bags of siliceous earth from Avonmouth.

Vermiculite — Importations during the past seven days were reported at 70 bags of vermiculite ore from Beira.

Synthetic Resins

One producer of petroleum-type hydrocarbons last week announced increases averaging ½c. per pound on that company's line, the new schedules to become effective January 1. Increased labor and raw materials costs were given as causes for the move. Alkyds, in lesser demand because of the year-end lull, were firm, as were other types.

Natural Resins

The New York market was quiet in the main last week, a normal situation at year-end. With the exception of No. 1 Singapore, most gums were in ample availability. Importations during the period totaled 2,698 bags and 134 baskets of copal gum from Singapore, Manila, Matadi and Macassar, 3 cases of mastic from Piraeus and 80 bags of varnish gums from Manila.

Shellac—Orange lacs were down again last week, declining 1c. to 2c. per pound in the New York market. Calcutta, which

For Late Market Developments, See Page 4

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Saponification No.....0
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opened steady, showed signs of easiness toward the close. Buying here, though still hand-to-mouth, was said to be fair for December. Lemon grades remained on the narrow side. Superfine was in a little better supply. The week's price moves included a 1c. drop in lemon No. 2 and 2c. cuts in superfine and TN. Bleached grades and lemon No. 1 held fast. Imports during the period totaled 175 bags of kireelac, 10 cases and 688 bags of shellac and 850 bags of seedlac from Calcutta and Hamburg. Following are current orange quotations:—Lemon No. 1, 53c. to 54c.; lemon No. 2, 50c. to 51c.; superfine, 47c. to 48c., and TN, 45c. to 46c. per pound.

Lacquer Materials

Nitrocellulose—Prices held firm last week, and no changes were anticipated within the immediate future. Supply and demand remained at previous levels. Current quotations follow: — Ester-soluble, 28c. to 35c., and spirit-soluble, 32c. to 35c. per pound.

Miscellaneous Materials

Asbestos—Arrivals during the period totaled 7,949 bags of fiber from Lourenco Marques, Fremantle and Lisbon, and 292 bags of crude from Capetown.

Casein—Imported weakened at the opening, but regained its initial loss toward the end of the week for no net change during the period. The slightly firmer tone at week's end was attributed to an increase of European inquiries in the Argentine. Meanwhile, it was reported that 700 tons of casein were shipped to Finland from Buenos Aires. Following are current casein listings:—Imported, 18c. to 18¼c.; domestic, standard, 23c. to 23½c., and domestic, premium, 23c. to 24c. per pound. Imports last week totaled 13,130 bags of casein from Buenos Aires and Bordeaux. Commodity Credit Corporation purchases for the week ended December 16 totaled 2,452,208 pounds of spray process skimmed milk powder and 2,011,120 pounds of roller process.

Chlorinated Paraffin—One maker of a special resinous-type material announced January 1 reductions amounting to 15 percent. The saving was attributed to new enlarged productive facilities by this supplier.

Glue—Bone bone and hide grades held firm, the latter in ample supply and the former still below requirements of consuming industries. Importations totaled 4,023 bags of bones from Buenos Aires, 180 bales of gluestock from Manchester and 1,910 bags of glue powder from London, Havre and Vera Cruz.

Synthetic Adhesives—The Bureau of Census reported total October output at 6,714,000 pounds, which compares with 6,327,000 pounds turned out in September and 7,417,000 pounds produced in October, 1948. Stocks at the close of October amounted to 3,757,000 pounds, as opposed to 3,796,000 pounds on hand on September 30 and 4,174,000 pounds held on October 31, 1948.

Naval Stores

Pine Gum — Prices received by producers for crude pine gum delivered to processing plants during the week ended December 17 averaged $17.26 per standard barrel of 435 pounds for gum purchased outright and $20.15 for gum processed for the Commodity Credit Corporation, according to the Department of Agriculture. The weighted average price for all gum was $19.78 per barrel, as compared with $19.36 for the previous week.

The twenty-four reporting plants received 3,648 standard barrels of commercial gum and 24,476 barrels of loan gum a total of 28,124 barrels or 1,172 barrels

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per plant, as compared with 1,370 barrels at the same plants a week ago.

The estimated turpentine contents of the gum were 8.43 gallons for loan gum, 8.16 gallons for commercial, or an average of 8.40 gallons. Rosin contents were 295.2 pounds for loan, 293.8 pounds for commercial, or an average of 295 pounds.

The percent of gum by grades was: WW, loan 1, commercial 0, average 1; WG, loan 2, commercial 2, average 2; N, loan 23, commercial 12, average 22; M, loan 46, commercial 57, average 47; K and below, loan 28, commercial 29, average 28.

The record of the gum naval stores markets over the week ended December 23 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.i., l.c.l., f.o.b. ex. N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.*	Friday	
B	$5.75	$5.75	$5.75	$5.75	...	$7.10	$7.85
D	6.00	6.00	6.00	6.00	...	7.10	7.85
E	6.31	6.31	6.31	6.31	...	7.35	8.10
F	6.45	6.45	6.45	6.45	...	7.35	8.10
G	6.45	6.45	6.45	6.45	...	7.35	8.10
H	6.45	6.45	6.45	6.45	...	7.35	8.10
I	6.45	6.45	6.45	6.45	...	7.35	8.10
K	6.46	6.46	6.46	6.46	...	7.35	8.10
M	6.46	6.46	6.46	6.46	...	7.35	8.10
N	6.46	6.46	6.46	6.46	...	7.35	8.10
WG	6.66	6.66	6.66	6.66	...	7.55	8.30
WW	6.96	6.96	6.96	6.96	...	7.65	8.40
X	6.96	6.96	6.96	6.96	...	7.65	8.40
	Drums						
Sales	...	...	...	...	...		
Receipts	15	223	60	...	...		
Shipments	...	...	...	512	...		
Stocks	31,466	31,689	31,749	31,237	...		

Gum Turpentine

	Savannah Exchange Bulk					New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.*	Friday	
Per gal.	.40	.39½	.40	.40	...	.47½	.56
Sales, bbls.	160	320	320	...	...		
Receipts, bbls.	375	375	81	347	...		
Shipments, bbls.	9	112	146	13	...		
Stocks, bbls.	8,931	9,194	9,129	9,463	...		

* No market.

Processed Chemical Engages Jarvis

Processed Chemical & Coatings Corporation, Brooklyn, N. Y., has appointed Harry O. B. Jarvis technical director. Mr. Jarvis was formerly associated with the Kirker Chemical Company, and was previously with the C. A. Willey Company for twenty years.

Laplace Starts Building East Paterson Facility

L. J. & M. Laplace, producer of lacquer thinners, soldering flux, solvents and mineral acids, Hackensack, N. J., has started construction of a new plant in East Paterson, N. J. The new facilities, expected to be in operation about April 1, will augment the production facilities at Hackensack and will be used to expand the company's line of products. It is also planned to commence production of coatings and ink at the new plant. For the present, the company's main offices will remain at its plant on Zabriskie street, Hackensack, but plans are being formulated for a future consolidation of all operations at East Paterson.

New York AIC Plans Young Chemists Meeting

The New York chapter of the American Institute of Chemists will hold a meeting for young chemists at the Brass Rail Restaurant on January 5. The theme of the meeting will be "Opportunities for Chemists in Laboratory and Non-Laboratory Positions," and the following speakers will discuss various phases of the subject:—

Dr. Charles N. Frey, Standard Brands, Inc.; Harold Fyffe, Oldbury Electro-Chemical Company; Dr. W. E. Kuhn, Texas Company; Dr. Donald Price, Oakite Products, Inc.; Dr. Norman Shepard, American Cyanamid Company; Dr. William J. Sparks, Esso Laboratories, and Harold Wakefield, Bakelite Corporation.

CDIC Paint Technicians Discuss Lacquer Formulas

Charles Bogin, research chemist of the Commercial Solvents Corporation, was the featured speaker at a recent meeting of the Cincinnati, Dayton, Indianapolis and Columbus Paint and Varnish Production Club. In discussing "Some Aspects of the Formulation of Lacquer Volatiles," Mr. Bogin pointed out that the big difficulty with lacquers is in applying a coating with higher solids, and spoke of the various means technical men have used in striving to produce such a coating.

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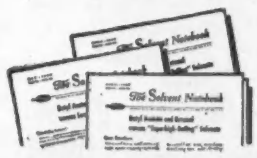

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Du Pont Again Awards $100,000 in Grants-in-Aid

E. I. du Pont de Nemours & Co., Wilmington, Del., has authorized, for the second year, $100,000 for grants-in-aid to universities to "stock-pile" knowledge through the advancement of fundamental science. The grants are for the 1950-51 academic year. They provide $10,000 for each of ten universities, all of which received similar awards from the company for the present school year.

Institutions which will receive the grants are:—California Institute of Technology, Cornell University, Harvard University, Massachusetts Institute of Technology, Ohio State University, Princeton University, Yale University, University of Illinois, University of Minnesota and University of Wisconsin.

Martin-Senour Presents Award to Al Strimbeck

The Martin-Senour Company, Chicago, recently presented its "Achievement Award" to Al Strimbeck, territorial representative, at a banquet in the Palmer House. Mr. Strimbeck, who was also presented with a gold watch in honor of his twenty-fifth anniversary with the company, was given the award in "recognition of outstanding accomplishment for salesmanship in the fiscal year ending August 31, 1949." Occasion was also taken at the banquet to present twenty-five year service awards to John G. Porter, territorial representative of Charlotte, N. C., and Mrs. Luella Barnum, an assistant in the company treasurer's office.

N. Y. Paint Technicians Plan January 5 Meeting

The New York Paint and Varnish Production Club will meet at the Building Trades Employers Association, 2 Park avenue, on January 5. The featured speaker will be Dr. Roy H. Kienle, Calco Chemical Division, American Cyanamid Company, who will discuss "Physical Chemical Research in the Protective Coatings Industry."

Paint, Varnish Exchange Club Meets February 14

The Paint and Varnish Exchange Club will meet in the Taft hotel, New York, on February 14. The guest speaker will be George S. Cook, of the engineer research and development laboratories, Fort Belvoir, Va., who will discuss "Protective Coatings in the Corps of Engineers."

Haeuser Shellac Holds Party

Haeuser Shellac Company, Brooklyn, held its annual Christmas party recently at the Pierrepont hotel. Arthur Hafner, general plant manager, and Edward Rocklein, chief bookkeeper, were presented with gold watches, commemorating thirty-five years of service.

Obituaries

Russell M. Cook

Russell M. Cook, former manager of the foreign technical office of E. I. du Pont de Nemours & Co., died December 21 of a heart ailment at his home in Lakewood, Ohio. He was fifty-eight years old. Mr. Cook had been associated with the Atlas Powder Company before joining the du Pont organization. With the latter company he had served at Parlin, N. J., Wilmington, and in industrial sales work in Ohio.

Joseph A. Grober

Joseph A. Grober, president and general manager of the Albany Soap Company, Albany, N. Y., died December 19 at his home in that city. He was eighty-one years old. Mr. Grober had been manager of the Grant Soap Company before buying the Christian Brothers Soap Company in 1911 and changing its name to the Albany Soap Company.

Dr. William J. Bonisteel, former professor and head of the botany department at Fordham College of Pharmacy and chief drug specialist for the Office of Coordinator of Inter-American Affairs during the recent war, died December 19 in Mexico City, Mexico. He was fifty-seven years old.

Frank G. Boye, a director and general manager of the United States Testing Company, Hoboken, N. J., died December 23 of a heart attack while journeying from his home in Summit, N. J., to his office. He was fifty-eight years old.

Thomas C. Davis, retired department superintendent for Schieffelin & Co., New York, died December 22 in Lutheran hospital, Brooklyn, N. Y. He was seventy-nine years old.

Rudolph U. Delapenha, founder and chairman of the board of R. U. Delapenha & Co., importer and distributor of olive oil, New York, died recently at his home in Montclair, N. J. He was seventy-nine years old.

Bert C. Hart, traffic manager of the Tropical Paint & Oil Company, Cleveland, died recently. He was sixty-four years old. Mr. Hart has been associated with the company for thirty-six years.

Graham L. Hemminger, promotion director of the Topics Publishing Company, publisher of Drug Topics and Drug Trade News, New York, died December 19 at his home in Great Neck, L. I. He was fifty-three years old.

Ross Wark, crude oil operator and producer in western Kentucky, died recently in Graves Infirmary, Scottsville, Ky., of a heart ailment.

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Petroleum Derivatives

There were a variety of price developments in last week's market for petroleum derivatives, but a clear pattern failed to emerge. January 1 increases were announced on one line of aliphatic-aromatic blends. No. 4 fuel oil and kerosene were upped in some areas, while gasoline was downed. Aromatics stood their ground in the face of rises in coaltar toluol and benzol. Aliphatics were similarly firm, notwithstanding gasoline weakness.

A general price advance in coaltar aromatics began to take shape during the period, benzol receiving a 2-cent boost and toluol getting increases of one cent to 2 cents per gallon, depending on location. Although viewing the move as significant, petroleum producers looked for no immediate change in the status quo of their solvents. Meanwhile, call for petroleum toluol and xylol continued excellent, some sellers indicating a complete sell-out of December production. Also of interest was a report circulating throughout the trade that the government will not ask for the addition of pure toluol to aviation gasoline during the first half of 1950. One line of blends was upped one cent per gallon, effective January 1.

Aliphatics held their ground, despite the softening of gasoline prices. Observers were of the opinion that far more substantial declines in gasoline would have to take place before any effects could be felt in aliphatics. Demand w s said to be holding its own.

Discounts of 13 cents per barrel on No. 4 oil were withdrawn in the New York metropolitan area. Kerosene in tankcars was upped one-tenth to three-tenth cent per gallon at Georgia, Alabama and Florida points. Gasoline was lower by a like amount at points in New York and Connecticut.

Market Trends

Prices Advanced
None
Prices Reduced
None

(For Current Prices see Page 9)

Solvents and Diluents

Aromatic Solvents—The beginnings of a general price rise in coaltar aromatics became evident last week, toluol and benzol receiving boosts of 1c. to 2c. and 2c. per gallon, respectively. Petroleum-derived aromatics, however, held their ground, the oil trade seeing little in the upward surge of coaltar materials to indicate an immediate change in the status quo of petroleum solvents. Although mindful of the developing coaltar situation, petroleum producers were more interested in the fact that demand for toluol and xylol was holding up well, some sellers reporting a complete sell-out of December production. In fact, at least one maker indicated that orders were being accepted for January shipment. Meanwhile, reports circulated throughout the trade that government specifications for aviation gasoline during the first half of 1950 will not require the addition of pure toluol. Observers were of the opinion that this would have no immediate effect on the aromatics supply position, although in the long run it might loosen up stocks slightly.

One producer of aliphatic-aromatic blends announced January 1 increases averaging 1c. per gallon on that line, the move stemming from higher raw materials and labor costs. Other marketers of blends as well as sellers of higher boilers reported that they anticipated no such action within the foreseeable future. Sales, meanwhile, continued good.

Cleaners' Naphtha—There was no substantial change in the market situation for this or other aliphatics during the period. Sellers, while admitting that the weak gasoline picture posed a threat to prevailing naphtha quotations, maintained schedules. In Philadelphia, where a local competitive situation continued in force, cleaners' naphtha in tankcars brought 13c. per gallon. At other East Coast points the price was 14c. per gallon, tanks. Group 3 marketers named 10⅞c. per gallon, tankcars. Supplies were ample all around. Demand was regarded as normal for this time of year.

Lacquer Diluent — Consuming interest was off slightly last week, a natural business phenomenon at year-end. The supply position remained without change, offerings continuing in ready availability to all comers. The trade was still concerned over the weakened gasoline picture, but looked for no move in aliphatics at present price levels. Lacquer diluent was quoted at 16c. per gallon, tankcars, East Coast, and at 11⅛c. to 12⅛c. per gallon, tanks, group 3.

Mineral Spirits—Gasoline prices remained soft during the period, but aliphatic sellers were of the opinion that that market would have to go down at least another 1c. per gallon before any effect could be felt in naphthas. Listings in this section, therefore, were firm during the past seven days. Philadelphia producers named 13c. per gallon for tankcars. Other East Coast marketers were 1c. per gallon higher, or 14c., tanks. In group 3, quotations remained at a range of 9⅞c. to 10⅜c. per gallon, tankcars. Demand, though not heavy, was said to be holding its own. Supplies were plentiful.

Rubber Solvents—Buying was described as fair during the week. Supplies were in good availability. The price structure was without change, despite the threat posed by weak gasoline listings. East Coast sellers named 15c. per gallon, tankcars. Group 3 makers were at 10⅜c. to 11⅜c. per gallon, tanks.

Stoddard Solvent — Gasoline softness notwithstanding, the price structure for this aliphatic remained stable last week. Philadelphia marketers, still ruled by a competitive local situation, quoted 13c. per gallon, tankcars. Other Eastern sellers, not so influenced, named 1c. more, or 14c. per gallon, tanks. In group 3, quotations ranged from 10⅜c. to 10⅞c. per gallon, tankcars. Consuming interest was described as reasonably good for December. There was no dearth of supplies in any area.

V. M. & P. Naphtha — Sales were reported normal last week. Stocks were good all around. Sellers continued to keep close tabs on the developing gasoline situation, which was weak. However, they looked for no immediate changes in aliphatic quotations at current gasoline levels. Meanwhile, East Coast marketers named 15c. per gallon, tankcars, for this naphtha. Group 3 producers ranged from 10⅞c. to 11⅜c. per gallon, tanks.

Lighter Fractions

Prices of liquefied petroleum gases remained unchanged during the period, butane holding at 4c. per gallon and propane continuing at 2½c. per gallon, tanks, group 3. Both materials were still short of demand. Other lighter fractions were better fixed supplywise. However, demand for these materials was only fair.

Miscellaneous

Crude Oil—The British Ministry of Fuel last week announced a new oil import policy requiring the absorption of surplus production in sterling areas before dollars can be used in the purchase of American oil. The move was expected to result in a dollar saving of 5 to 10 percent in 1950.

Fuel Oil—Discounts of 13c. per barrel on No. 4 oil were withdrawn in the New York metropolitan area last week, upping the net tankcar price to $2.75 per barrel. At the same time, one kerosene marketer effected tankcar increases of 1/10c. to 3/10c. per gallon at various points in Georgia, Alabama and Florida.

Gasoline—Quotations at a number of points in New York and Connecticut were lowered 1/10c. to 3/10c. per gallon in tankcars.

Los Angeles Petroleum Market

Market activities in solvents and diluents continue normal this week as prices remain unchanged and supplies of all items excellent. Cleaning solvent quoted 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis, and stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 10 totaled 256,545,000 barrels, according to the Bureau of Mines. Compared with the total of 258,489,000 barrels for the preceding week, this represents a decrease of 1,944,000 barrels, comprising a decrease of 2,955,000 barrels in stocks of domestic crude and an increase of 1,011,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Oils, Fats and Waxes

Trading in oils and fats lacked snap last week, reflecting the usual quiet holiday season. While declines outnumbered advances the undertone of the market remained steady. Price index advanced to 110.3, compared with 178.6 for the corresponding week last year.

Firmness in grease and tallow featured this market and offerings of all grades were scarce and were held at premiums. Low grades of grease and tallow were raised fractionally. The better grades were unchanged, but commanded premiums owing to the sold up production. This strength boosted grease and tallow oils.

Lard continued to advance under heavy purchases by the government for export. Some 40,000,000 pounds were reported taken for shipment to Germany. Prices of lard were up fractionally and for oleo stearine.

In the edible group, soybean oil was easier and off fractionally, while peanut oil was higher. Corn oil was unchanged and steady. Cottonseed oil was irregular, but stiffened late in the week, regaining an earlier decline.

Stearic acid was cut ½ to 1 cent per pound, as to grade, owing to keen competition, while red oil was firm with grease and tallow. Vegetable oil fatty acids also were easier and coconut, cottonseed and soybean were reduced 1 cent and tallow fatty acid ½ cent per pound.

Tung oil continued strong and in limited supply for nearby delivery. Dehydrated castor oil was unchanged but firm owing to the higher cost of castor beans. Linseed oil was inactive and entirely nominal.

Cottonseed Oil

While trading in bleachable cottonseed oil futures was limited on the New York Produce Exchange last week reflecting the holiday season, the market remained on a steady basis. Trading was mixed chiefly evening up before the holidays. Hedging sales were less active. There was profit taking on bulges and buying on stronger lard and other western markets. Lard was stronger under government purchases of 40,000,000 pounds of lard for export, which lifted prices 1½c. from the recent low point. The extension for the purchase of cottonseed of the 1949 crop from December 31 to February 15, by CCC had a strengthening influence on the market. Department of Agriculture reported purchases of 425,000 tons of cottonseed thus far, but farmers had taken loans on only 1,000 tons.

Crude cottonseed oil was irregular but stiffened late in the week regaining fractional losses and closed steady. In the Southeast crude was held at 10¼c. per pound, tankcars, mills and was 10c. bid in Texas.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended December 23 follow:—

	Sales	Cents per pound High	Low	Close
January				12.30N
March	165	12.48	12.15	12.35S
May	167	12.45	12.15	12.34@12.38
July	199	12.49	12.16	12.37S
September	93	12.42	12.15	12.32S
October	22	12.20	12.02	12.15S
December				12.05@12.18

Total sales, 646 tankcars, including switches.

Memphis—Trading quiet. Sellers indifferent. Crude cottonseed oil nominal at 10¼c. per pound, tankcars, f.o.b. mills, and crude soybean oil, 10¼c. to 10⅜c., same basis. Cottonseed meal, $61 per ton, Memphis. Cottonseed cake, $56 per ton, bulk, Valley points, and 46 protein and fat, $62.50, bulk, f.a.s. New Orleans, December-January. Cottonseed hulls, $5 per ton, bulk, and $10 sacked, Memphis.

Linseed Oil

This market dull and featureless and was influenced by the quiet holiday season. Quotations were unchanged and entirely nominal. Raw oil was quoted at 17.30 per pound, tankcars, Zone 3, for December-June delivery. Light sales of late took place at several points less on firm bids.

The government's final crop placed flaxseed production for 1949 at 43,664,000 bushels, compared with 54,529,000 bushels (revised) in 1948 and the 1938-47 average of 30,102,000 bushels.

Minneapolis—Demand for oil was very quiet and crushers were not pressing sales during the holiday period. Approximately 50 percent of the first quarter needs of 1950 have been booked by buyers but there is still a lot of business to come in. Oil prices ranged from 16.7c. (list) per pound, in tanks, zone 1, down to 16.4c. per pound on a trading basis, and it was rumored that some business was passing even lower than this figure. It was very hard to get an accurate price basis under existing trading conditions.

Shipments of linseed oil, in pounds, were as follows:—

	1949-50	1948-49
This week	5,820,000	4,200,000
Since Sept. 1	154,860,000	114,498,000

Flaxseed—Market dull. Prices unchanged and steady.

Minneapolis—Flaxseed oil and meal markets were in the holiday doldrums with buyers and sellers taking it easy during the Christmas period and mill operations slowing down. Cash flax was in quiet to fair demand, prices were nominal at $3.70 to $3.90 on a spot and to arrive basis, with occasional sales at $3.80 and $3.95. Crusher demand has not been very brisk over the past month or six weeks. Many crushers have most of the January requirements purchased on a to arrive basis and some even have their February flax requirements under contract. An advance of 2,000,000 bushels in 1949 flax production will make it harder to maintain a strong flaxseed market. The trade also waits developments in Washington and some announcement as to what the government is going to do with the stocks of oil and flaxseed on hand, besides turning it into export channels.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	141,100	340,000	35,700	22,100
Since Sept. 1	12,610,400	28,629,800	1,260,500	6,663,000

Other Vegetable Oils

Castor Dehydrated—Increased cost of castor beans strengthened the tone of this market. Quotations were firm and unchanged.

Coconut — Business was quiet. Crude oil was unchanged at 13½c. per pound, tankcars, f.o.b. Pacific coast, December-January shipment and February, 13⅛c. Buyers ideas were below 13c.

Copra—Market remained steady. Consuming inquiry was inactive. Quotations were more or less nominal at $175 to $180 per short ton, c.i.f. Pacific coast.

Corn—Crude oil was sold at 11c. per pound tankcars, f.o.b. mills. Refined oil was unchanged at 13⅞c. per pound, tankcars, New York delivery.

Olive—Trading for spot and forward delivery was dull and featureless. Edible oil ranged from $2.30 to $2.50 per gallon, drums, duty paid, on the spot, depending upon quantity and quality. Commercial oil was nominal at $1.75 to $1.85 per gallon, drums, and olive foots ranged from 13c. to 13½c., as to quantity for prompt delivery.

Soybean—This market was off ¼c. for the week. Crude oil was quoted at 10¼c. to 10⅜c. per pound, tankcars, f.o.b. mills for immediate shipment. January was offered at 10⅛c. and February at 10c. Moderate purchases were reported for government account at 10c. tankcars, f.o.b. mills for February-March shipment. Refined oil was lower at 13c. per pound, tankcars, New York basis.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended December 23 follow:—

	Sales	Cents per pound High	Low	Close
January	4	10.15	10.05	10.21@10.24
February				10.15@10.25
March	16	10.10	9.85	10.07@10.15
April				9.90@10.15
May	9	9.90	9.75	10.00@10.05
June				9.90@10.12
July	1	9.75	9.75	9.85@10.00
August				9.79@ 9.98
September				9.55@ 9.75
October				9.50@ 9.70
November				9.40@ 9.60
December				9.35@ 9.60

Total sales, 30 tankcars.

Peanut—Trading in crude oil took place at 12c. per pound, tankcars, f.o.b. mills, up ¼c. Most of the business was for domestic account. Last week government

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Grease, yellow, ¼c. per lb.
Grease oils, ½c. per lb.
Lard, ¼c. per lb.
Oleo stearin, ½c. per lb.
Peanut oil, ¼c. per lb.
Tallow oil, ½c. per lb.

Prices Reduced

Coconut fatty acid, 1c. per lb.
Cottonseed fatty acid, 1c. per lb.
Olive oil, edible, 10c. per gal.
foots, ¼c. per lb.
fatty acid, 1c. per lb.
Soybean oil, ¼c. per lb.
Tallow fatty acid, ½c. per lb.
Stearic acid, single pressed, 1c. per lb.
double pressed, ½c. per lb.
triple pressed, ½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
110.3	109.8	108.7	178.6

(*For Current Prices see Page 9*)

released peanuts for about 45 tankcars of oil. Refined oil was firm 14¾c. per pound, tankcars, New York delivery.

Tung—Support price for the 1949 tung nut crop was announced by CCC at $60 per ton or 22.70c. per pound tung oil f.o.b. shipping point oil last week. The 1950 tung nut crop harvested late next Fall will be supported at 60 percent of parity, the price has not yet been determined. Tung nuts have been selling at $90 per ton. The oil market continued strong and light sales were reported at 26½c. per pound, tankcars, New York for December-January. Offerings were scarce.

Fats and Greases

Greases—While trading was light and spotty, the market was strong and low grades were higher. Yellow and house were lifted ¼c. Choice white was unchanged, but offers were scarce and held at premiums. Domestic demand was quiet, with export sales moderate. Yellow grease was sold at 5c. per pound, tankcars, delivered and house at 4⅝c.

Lard—Government buying for export kept this market strong and sales were reported at 12.90c. per pound, drums, f.a.s. with 13c. generally maintained. Cash lard was quoted at 10¼c. to 10½c. per pound, drums, Chicago, as to quantity.

Tallow—This market continued strong, despite the quiet holiday season. Offerings of all grades were scarce and closely held. Lower grades were lifted ¼c. and fancy and extra while unchanged were held at premiums. Export inquiry was moderate and fancy was maintained at 8c. per pound, drums, f.a.s. Consumers showed a good inquiry for replacements.

Animal Oils

Grease Oils—Firmness in greases and tallow stiffened this market and prices were raised ½c. per pound. Business was quiet. No. 1 was quoted at 11½c. to 12c. per pound, drums, as to quantity; extra Winter strained, 12¾c. to 13¼c. and prime burning, 14¼c. to 14¾c.

Oleo Stearine — This material was firmer and prices were lifted to 9½c. to 10c. per pound, barrels, as quantity.

Fish Oils

Fish—Supply conditions in crude oil have tightened. Offers of crude menhaden oil are practically nil, owing to poor fishing, and the market was merely nominal at 6c. per pound, tankcars, f.o.b. mills. Last sales of crude sardine were reported at 6c. tankcars, f.o.b. Pacific coast, and limited available stocks were held at 6½c., against bids of 6c. Refined oil was quiet, but steady.

Los Angeles.—Sardine boats and canneries resumed operations December 15, as the strike over a more equitable distribution of business among the boat owners ended. Since then, fishing has been exceptionally good and has stirred up much activity in the market here. Trading was carried on at 6c. per pound for sardine oil and reports are that 10 cars of oil were sold December 16 and 30 cars of oil on the 19th. Fishing has been slow in the Monterey Bay area and is being held up by high seas and bad weather. Pilchard landings for the San Francisco, Monterey and San Pedro areas through December 17 total 244,120 tons compared to 122,074 tons for the same period last year. There is no indication that tuna oil is available at present but nominal prices list the oil at 4.5c. to 5c. per pound.

Fatty Acids

Coconut Fatty Acid—This market was easier and prices were cut 1c. Drums were quoted at 22¼c. to 23¼c. per pound, as to quantity.

Cottonseed Fatty Acid—Prices were lowered 1c. to 9¼c. to 10¼c. per pound, drums, depending upon quantity.

Red Oil—While other fatty acids were easier, prices remained unchanged and steady for all grades due to the firmness in tallow.

Soybean Fatty Acid—Single and double distilled were reduced 1c. Single was quoted at 10¾c. to 11¾c. per pound, drums as to quantity and double, 11¾c. to 12¾c., same basis.

Stearic Acid—Keen competition created a weaker tone and quotations were off ½c. to 1c. per pound. Single pressed was cut 1c. to 12¼c. to 13¼c. per pound, bags, according to quantity and double, ½c. to 13½c. to 14¼c. and triple ½c. to 15½c. to 16½c, same basis.

Tallow Fatty Acid—Quotations declined ½c. per pound to 9c. to 9½c. per pound drums, according to quantity.

Cake and Meal

Cottonseed Meal—Loose slab cake 41 percent was offered at $55 per ton Valley points December-January shipment. Cottonseed meal 41 percent sacked was quoted $60 per ton Valley and $60.50 to $61, Memphis, December-January. Offerings in the southeast have been light. Nominal prices in Georgia figure $65 f.o.b. mill points for 41 percent and 36 percent $5 less. A few small lots were offered out of South Carolina at $64 for 41 percent December, January, February shipment.

Linseed Meal—Business slow. Market easier.

Minneapolis—Pressure of resale meal in the final two weeks of December broke prices from $1 to $1.50 per ton and a lack of demand for January kept the market rather quiet during the holiday week. Meal, per ton, bulk, f.o.b. Minneapolis, quoted at $68 to $69 per ton, with a discount of approximately $1 per ton for January shipment and $2 for February.

Shipments of linseed meal, in pounds, were as follows:—

	1949-50	1948-49
This week	15,780,000	12,960,000
Since Sept. 1	327,370,000	240,960,000

Peanut Meal—Last week the exporters outbid domestic buyers and bought up about all surplus peanut meal. Government released peanuts last week for approximately 2,000 tons peanut meal, but from information gathered, it seems that this week's release will be cut in about half. Old process peanut meal 45 percent was quoted at $64 per ton December-January, February in limited quantities.

Soybean Meal—The soybean market was easier. Meal 41 percent bulk was quoted at $58 per ton spot December, $60 January forward with 44 percent quoted $1 per ton less basis Decatur. There has been some interest from exporters on southeastern soybean meal with a few small lots sold at $62 to $63 per ton sacked, Valley points, immediate shipment. Sacked 44 percent was quoted at $63 basis West Tennessee, January, April shipment. More interest is being shown by exporters for soybean meal now that the price is getting more in line with cottonseed and peanut meals.

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Dwight P. Joyce, president of the Glidden Company, sold the first pound of yellow margarin ever sold in Ohio to Mrs. Betty Nickel, a Lakewood, Ohio, housewife, at 12:01 a.m. on December 8, when the new law permitting sale of the pre-colored product in that state went into effect. Mr. Joyce personally carried a case of yellow margarin manufactured by his company's Durkee Famous Foods Division into the store at midnight and immediately sold the first pound to Mrs. Nickel.

Bromund Co. Celebrates Seventieth Anniversary

The E. A. Bromund Company, importer, refiner and bleacher of beeswax and other waxes, New York, is celebrating its seventieth anniversary. The company was established in 1880 by the late E. A. Bromund as sole proprietor, and was incorporated in 1909 under its present name. The founder died in 1918 and was succeeded as president by his son, F. J. Bromund, who remains active head of the business. The company maintains offices at 258 Broadway, New York, and operates a bleaching plant at Boonton, N. J.

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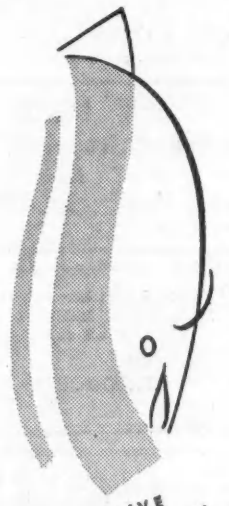

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Current Prices

—Continued from page 31

Zinc oxide, pigment, dom., French process, white seal, bgs., c.l., ship't. point, frt. alld	lb.	.13¼-	—
l.c.l., works	lb.	.13½	—
USP, ctns., c.l., ship't point, frt. alld	lb.	.14¼-	—
l.c.l., same basis	lb.	.14½-	—
Zinc oxide Pac. coast prices, etc., higher; bbl. prices ¼c. higher than bgs.			
Phenolsulphonate, NF, gran., bbls., dms	lb.	.33	.34
powd., bbls	lb.	.36	.37
Resinate, fused, 1% Zn, dms., frt. alld	lb.	.20	—
precip., dms., frt. alld	lb.	.22	—
Silicofluoride, bbls., works	lb.	.10	.10½
Stearate, tech., USP, ctns., c.l.,	lb.	.34	—
ton lots	lb.	.35	—
less ton lots	lb.	.36	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs.		4.55	—
l.c.l., same basis 100 lbs.		4.95	—
flake, 25½%, Zn, bgs., c.l., works 100 lbs.		4.50	—
l.c.l., works 100 lbs.		4.90	—
powd., 36% Zn., bgs., c.l., dlvd., same basis 100 lbs.		7.00	7.40
l.c.l., same basis 100 lbs.		7.40	7.75
Zinc sulphate in bbls. 40c. higher			
USP, gran., dms	lb.	.22	22½
Sulphide, pure, bgs., c.l., frt. alld	lb.	.13¼-	—
l.c.l., works	lb.	.13½-	—
Barium pigment, bgs., c.l., dlvd.,	lb.	.08 -	—
l.c.l., works	lb.	.08¼-	—
Calcium, pigment, bgs., c.l., dlvd	lb.	.08 -	—
l.c.l., works	lb.	.08¼-	—
Luminescent pigment, frt. alld.	lb.	1.00 -	3.00
Magnesium pigment, bgs., c.l., dlvd	lb.	.08 -	—
l.c.l., dlvd	lb.	.08¼-	—
Zinc sulphide and pigment, Pac coast prices ¾c. higher; bbl prices ¼c higher than bgs			
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works 100 lbs.		7.00	—
l.c.l., works 100 lbs.		7.40	—
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	1180	1360
l.c.l., same basis	lb.	1220	14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	21½-	—
normal, dms., works	lb.	43	—
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls., works	lb.	21¼-	—
Carbonate, basic, cake, bbls., works	lb.	.30½-	—
Hydride, cns., works	lb	7.00	—
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	44½	—
1 ton or less, works	lb.	45	48
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	59½	—
1 ton or less, works	lb.	60	63
Oxychloride, cryst., ctns., 5 tons, works	lb.	29½	—
Silicate, granular, bgs., c.l., works	lb.	.03¼-	.03¾
10 tons, works	lb.	.03½	04
5 tons, works	lb.	04	—
1 ton or less, works	bl.	.04¼	.04½
milled, bgs., c.l., works	lb	.04¾	—
5 tons, works	lb.	05¼	—
1 ton or less works	lb	05¾	06¾
refined, bgs., c.l., works	lb.	.11	—
works	lb.	.11 -	—
5 tons, works	lb.	11⅛-	—
1 ton or less, works	lb.	12	.16
Sulphate, cryst., ctns., c.l., works	lb.	.37½-	—
5 tons, works	lb	.38	—
1 ton or less works	lb	38¼	39

ECA Announces Additional

—Continued from page 3

United States; $304,000 for copper from Canada.

To Greece—$1,350,000 for petroleum from the United States; $1,650,000 for petroleum from the Middle East, and $200,000 for petroleum from Latin America.

To Italy—$4,320,000 for petroleum from the United States.

To Netherlands—$110,000 for medicinal preparations and $61,000 for animal organs for production of pharmaceutical preparations from the United States and Latin America.

To Norway—$1,000,000 for oilcake and meal, $260,000 for soybeans, and $180,000 for tallow and other animal fats and oils from the United States.

To Trizone Germany—$423.000 for soybean oil from the United States.

To United Kingdom—$175,000 for hides and skins from Canada.

Oilseed Output Increase Anticipated in Argentina

Present indications are that Argentina's 1949-50 oilseed harvest will be greater than that of last season, according to the Office of Foreign Agricultural Relations. Although the acreage planted for some crops is probably smaller, general growing conditions have been good and relatively small abandonment is expected.

Flaxseed production is forecast unofficially at 25,000,000 bushels compared with about 20,000,000 bushels last year. The IAPI will pay producers 34 pesos per 100 kilograms ($2.57 per bushel) for new crop seed. This is an increase of 4 pesos (30 cents per bushel) over the price paid for the past two seasons. No export price for the seed has been announced but the linseed oil price is 1,650 pesos per metric ton (about 15.5 cents per pound), f.o.b. Buenos Aires.

At the end of November, stocks held by IAPI (excluding stocks needed to cover sales commitments) were unofficially estimated at about 10,000,000 bushels of seed and 330,000 short tons of linseed oil. The crop now being harvested will add to the surplus.

Based on estimated plantings and favorable weather, the 1949-50 sunflower seed output is forecast at 1,400,000 tons, compared with 1,200,000 tons last season. Peanut production may reach 155,000 tons. The revised estimate for 1948-49 is 121,300 tons.

IAPI's unsold stocks as of November 30 were approximately 275,000 tons of sunflower seed, 70,000 tons of sunflower seed oil, and 55,000 tons of peanuts.

Rapeseed and cottonseed production should equal the 1948-49 outturn of 15,000 and 200,000 tons, respectively. Most of the rapeseed or oil will be available for export. The export price for sunflower seed, rapeseed and cottonseed oils is 2,200 pesos per metric tons (20.7 cents per pound), f.o.b. Buenos Aires.

Monsanto Names Yeagley Washington Representative

Monsanto Chemical Company, St. Louis, Mo., has appointed Herbert W. Yeagley its Washington representative. Mr. Yeagley, who has been associated with the company since 1942, has been in its Washington office since 1946 and was named office manager there in May of this year.

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1—Bird 18"x28" Continuous Centrifugal with solid monel bowl, m.d.
1—Sharples #16-V S.S. Centrifuge.
3—Sweetland Filters Nos. 12, 10, 2.
3—Sweetland Filters #2, stainless steel bodies and leaves.
2—Elmco S.S. 4'x6', 1½'x1' stainless steel Rotary Vacuum Filters.
3—Pfaudler 200-gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gal.
10—Patterson, Abbe Pebble Mills, porcelain-lined 6'x8', 5'x6', 4'x5', 4½'x3½', 36"x42", 2'x3'.
3—Mikro Pulverizers 4TH, 2TH, 1SH.
10—Rotex, Ro-Ball Screeners, 40"x120", 40"x84", 40"x56".
1—Devine Vacuum Shelf Dryer, 59"x78" shelves.
2—Baker-Perkins 100 gal., 4½ gal. Jacketed Vacuum Mixers.
3—Baker-Perkins 150, 100, 50 gal. Jacketed Mixers, sigma blades.
2—Baker-Perkins Lab. 2 and 1 gal. S.S. Mixers.
8—Shriver, Sperry, 36", 32", 24" 12" C.I., P&F Filter Presses.
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Kurt A. Solmssen has been appointed vice-president of Smith, Kline & French Laboratories' two foreign subsidiaries, Smith, Kline & French International Company, and Smith, Kline & French Inter-American Corporation, it was announced last week. Mr. Solmssen's previous post was executive assistant to the president of the Inter-American company. He had assumed this post with the Philadelphia pharmaceutical firm in 1948.

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1—Badger 42" dia. Monel column.
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General Mills Disposes Of Packaging Machine Line

General Mills, Inc., Minneapolis, has sold its line of packaging machinery, according to a company announcement. The organization's mechanical division said that increased demands on management and plant facilities due to expansion of the company's home appliance and contract manufacturing activities made the sale necessary.

Package Machinery Company, Springfield, Mass., purchased the "Tray-Lock" and "Finished-Edge" carton set-up machines and ice-cream cartoning units. Rights to the line of "Vacuflow" powder fillers went to pneumatic Scale Corporation, Ltd., North Quincy, Mass.

Yale & Towne Has New Drum Filler

Yale & Towne Manufacturing Company, Philadelphia, has placed on the market a new air-operated device for filling drums to the correct weight. It will handle, oils, paints, varnishes, chemicals, syrups and food products. Complete details on the device may be obtained by writing the company at Roosevelt boulevard and Haldeman avenue, Philadelphia.

Ethyl Corporation Elects Costello Vice-President

Ethyl Corporation, New York, has elected Joseph A. Costello a vice-president. Mr. Costello has been with the company for more than twenty years and has been assistant general manager of manufacturing for the past five years. He started with the company as a field representative and subsequently served as manager of the Atlanta and New York sales divisions.

Phosphate Land Available

The bureau of land management of the Department of Interior announced that it will offer for sale to the highest bidder the leases on ten units of phosphate land totaling 15,500 acres in Fremont County, Wyo.

PROCESS EQUIPMENT FOR SALE

1—Premier 15" Colloid Mill
1—Ceco Automatic Carton Sealer
3—New 65 gallon Dopp Kettles
1—Day "Hercules" 6 bbl. Mixer
1—Day 16"x40" Three Roller Mill
3—Lehman 12"x30" Five Roller Mills
1—Sperry 24" O.D. Filter Press
1—6' Dia. Putty Chaser
1—Raymond #1 Pulverizer
1—American 4"x3" Centr. Pump
1—7½ ¶ Vertical Agitator Drive
1—10' Dia. x 25' long Autoclave
1—42" Dia. x 24' Long Autoclave

ASK FOR STOCK SHEET "I"

EMSCO EQUIPMENT COMPANY
AFFILIATE OF EMIL A. SCHROTH
73 HYATT AVENUE, NEWARK 5, N. J.
PHONES MITCHELL 2-3526

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

2—Pfaudler G/L Jacketed Kettles —6'x9'—ASME Code.

1—Copper Still—42"x5'—w/Coil & Goose Neck.
2—Alloy Fab. SS Reactor Kettles—Agitated—170 gallons.
2—Sperry SS 12"x12" Filter Presses—12 chambers-15 chambers.
1—Vallez #3 Filter.
1—SS Direct Fired Kettle—6'x6', w/Coils & Agitator.
1—Mikro #6 SS Atomizer w/20 HP Motor.
1—Sperry 36"x36" Recessed Type Filter —42 Heresite-covered plates.

R. GELB & SONS, INC.
Est. 1886 UNIONVILLE, N. J. UNionville 2-4900

Mikro Pulverizers, 15H, stainless steel, 2TH, 3TH.
Pebble Mills — 18x27", 36x36", 54x60", 72x60", Hardinge 6'x48" Ball Mill.
Quaker City Hammer Mills—#20-#21.
Gruendler 2XA.
16x10 Crushing Rolls, Sturtevant.
2—Amer. Exhausters, 400E and 50 EES w/motor, No. 60 Clarage.
Spencer Turbo Blower 400 CFM, 16 oz. 150 CFM 24 oz. Other sizes available.
2 Tolhurst 26" and 40" centrifuges.
Hummer Screens.
Laughlin Continuous Filter
Cottrel Dust Collector.
SS Centrifugal Pump w/5HP motor.
3 & 10 HP Speed Reducers.
Fork Lift Truck, 10,000 lbs. & other sizes.

Send for Stock List

LAWLER COMPANY
Durham Ave. & L.V.R.R. Metuchen, N. J.

FOR SALE

Pebble Mills: 6x5', 5x6', 4x5', 2½x3½'.
Centrifugal: Tolhurst 40" susp. st. basket.
Mixer: W.&P. 20 gal. jacketed.
Mixer: Day Imperial # 30, stain. steel.
Dryers: 6x40' Davenport hot air rotary.
Vacuum Pans: 50 gal. and 6' copper.
Still: Badger Alcohol 20" 20-plate column.
Kettle: 200 gal. Dopp jacketed, agitated.
Tube Filler: Stokes 90-C, with closer.
Tablet Machines: Colton 3B, 3DT, 4.
Filter Presses: 7", 12", 24", 36" cast iron.
Vacuum Pan: 100 gal. Stokes stain. steel.
Kettles: Stain. Steel, all sizes. (New).
Powder Mixers: Day 100, 200, 1,000 lbs. 20-20 Burton, Broughton 5 hp.
Labelers: Bottle and Can.
Mixers: Pony type: 8, 15, 40 gal.
Mills: 3-roll Day 16x40", Ross 12x30".
Fillers: Stokes & Smith single and double.

LOEB EQUIPMENT SUPPLY CO.
1925 W. North Ave. Chicago 22, Ill.

Call for **Fulton!**

for SAFEKEEPING of your PRODUCT

Use famous Fulton WPPL* Textile bags and Fulton Multiwall paper bags.
*Protect against dampness, sifting, evaporation, dissemination or absorption of odors.

Fulton BAG & COTTON MILLS
Atlanta • St. Louis • Dallas Kansas City (Kans.) • Los Angeles • Denver • New Orleans • Minneapolis New York

AVAILABLE...

RECOVERY FACILITIES

All types crude mixtures
DISTILLATION and EXTRACTION
High Temperature High Vacuum
Simple Distillation Difficult Fractionations
Separation of close-boiling liquids, isomers, and azeotropes our specialty
Drum Lots - Tank Cars

TRULAND
CHEMICAL & ENGINEERING CO., INC.
P. O. Box 426, Union, N. J. Unionville 2-7260

ALUMINUM STORAGE TANKS

Capacity About 200 Gallons Each

NEW — UNUSED — GOVERNMENT SURPLUS — rectangular, welded construction, 48" x 46" x 24", with manhole, inlet and outlet connection. In stock at our Newark plant. Original cost $295.00 each

PRICE $75.00 EACH, F.O.B. NEWARK, N. J.

CONSOLIDATED PRODUCTS COMPANY, INC.
13-18 PARK ROW, NEW YORK 7 N. Y. Telephone—BArclay 7-0600

STEEL STORAGE TANK CAR TANKS

9, 10,000-Gallon, Coiled.
2, 8,000-Gallon, Coiled or Non-Coiled.

Available at Once!

IRON & STEEL PRODUCTS, INC
13454 S. Brainard Ave., Chicago 33, Ill.
"ANYTHING containing IRON or STEEL"

FOR SALE

STEEL STORAGE TANKS

Railroad Tank Car Tanks, 6,500 to 12,000 Gal. Cap., Coiled and Non-Coiled, Cleaned-Painted - Tested, Heavier - Safer - Cheaper. Other Tanks Too.

Also—Complete Tank Cars

Your Inquiries Solicited

Newhall-Marshall-Wood, Inc.
30 Church Street, New York 7, N. Y.
Phone: COrtlandt 7-8090

FOR SALE

2—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

Specializing in Rebuilt Machinery

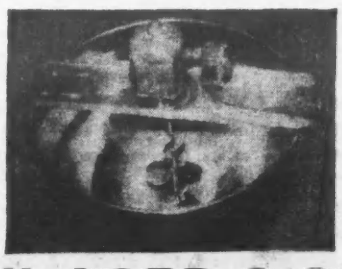
IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 2-0295

SPECIALS— BUT SPECIALS!

3—STAINLESS STEEL TANKS—3450 Gals. Each. Closed—with Stainless Steel Coils —All type 347 S.S.
4—STAINLESS STEEL BUBBLE CAP COLUMNS OR TOWERS—Type 347 S.S. 4' dia. x 30' high 36 Bubble Cap Plates, etc.
2—STAINLESS STEEL TOWERS—Type 347 S.S.—32" dia. x 17' high.
3—BARTLETT & SNOW STAINLESS STEEL TYPE 347 Kettles—Direct Fired 1000 Gal. with Agitators.
2—SPENCER TURBINE COMPRESSORS TYPE 347 S.S. contact parts with 30 H.P. Motor. 600 c.f.m. at 80 oz. pressure.
1—STAINLESS STEEL TYPE 304 OPEN TOP TANK—2500 Gal. with Agitator.
1—SPERRY WOOD PLATE & FRAME 42" FILTER PRESS—Hyd. Closure 57 ch., 1¾" cake.
1—SHRIVER 30" CAST IRON JACKETED FILTER PRESS—20 Ch. C.D.

SEND FOR BULLETIN A-24
WE BUY YOUR SURPLUS

The Machinery and Equipment Corp.
533 West Broadway
New York 12, N. Y. GRamercy 5-6480



A NEW AGITATOR

Adjustable on kettles and tanks from 18" to 36" in diam. Equipped with ¼ H.P. geared head explosion-proof motor and switch with cord and plug—mounted on heavy aluminum channel—stainless steel shaft and stainless steel propeller blades. The speed is 280 rpm. Other speeds available.

Rugged in construction—Low in price

PROMPT DELIVERY
ON DISPLAY IN OUR SHOWROOM

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

AGENCIES OFFERED

Dry color manufacturer with head office in New York area seeks sales representation New England, South, West Coast. Highest quality products Manufacturers' representatives in allied lines, with established following especially desired. Fine opportunity with growing concern for energetic, alert man. OPD 928.

Manufacturer sensational line industrial adhesives (Latex, solvent) seeks sales representation New England, New York State, South, West Coast. Line has features not present in any competitive line. Aggressive man with established contacts will attain high earnings. OPD 942.

AGENCIES WANTED

Procurement Services in Japan—U. S. agent residing Japan offers experienced services in purchase of fish liver oil, Japanese vegetable wax, other products. Excellent connections with most reliable sources of supply. A. I. Melnick & Co., Yomiuri-kaikan, Tokyo, Japan.

EQUIPMENT OFFERED

Stokes high vacuum pumps—212C, watercooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed Price $349 each; quantity available; inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

New motors at a discount. All types, speeds, explosion proof, gear head, variable speed; also manual and magnetic controls and starters. Prompt shipment from centrally located stocking points. Write Western Roy Alan Corporation, Torrance, California.

FACILITIES OFFERED

Custom grinding to micron sizes; Pharmaceuticals, food products, abrasives, chemicals, minerals, waxes and resins. Avoid capital expenditures and royalties while developing new product sales. Use our experienced technical staff—micronizing equipment—mixing, packaging and shipping facilities. OPD 886.

Facilities offered for mixing dry chemicals, carload and less carload. Also grinding, pulverizing, drying, screening and packing done. Experienced, capable, personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 921.

Chemical manufacturing facilities; blending, mixing, crushing and grinding to any fineness; any quantity; competent laboratory control. OPD 922.

MATERIALS OFFERED

Extra quality domestic caseins—any quantity, any mesh. Erie Casein Dryers, 2c below current market prices. Erie Casein Dryers, Erie, Ill.; Gowrie, Ia.

Calcium sulfocarbolate (phenol sulfonate) and copper arsenite available at 50% off list price. Approx. 4 tons each, excellent condition. Will sell all or part. OPD 946.

Soda lime, 4 tons 1-lb. cans, 3 tons 4-lb. cans, high moisture (14-19%), mesh 5-14, 5c. lb. f.o.b. Norfolk, Va. OPD 947.

Limestone, oolitic, 95% 325 mesh screen, total calcium 97.12%, wooden barrels, $10 ton f.o.b. cars Norfolk, Va. OPD 948.

Lamp dye, incandescent red, industrial, 35 dozen pints, 60c. per pint f.o.b. Norfolk, Va. OPD 949

Foam recharges, 40 gallon, both A&B type and accumulator type, small lots, $1/ ea., special price large lots, f.o.b. Norfolk, Va. OPD 950.

For sale: Fresh stock, myristic acid, 4,000 pounds Armour; 1,500 pounds El Dorado; 2,000 pounds Werner G. Smith. In east, market prices. OPD 951.

In drums—3,637 lbs. Celanese solvent No. 201 (mixed butyl alcohols) at 9c. lb.; 2,034 lbs. Celanese n-propyl alcohol at 7½c. lb. Delivered east of the Mississippi river. OPD 952.

MATERIALS WANTED

Wanted: Crude coal tar and water gas tar in quantities. We have facilities for immediate removal, R. R. tank cars, tank trucks, storage tanks. P. S. Kramer, tar refiner, 7 Smith street, Paterson, N. J.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 930.

Solvents—Large eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blend; minimum units 500 gallons. For specifications and other details write OPD 931.

PLANTS WANTED

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Two export sales correspondents under 35 wanted by upstate ethical pharmaceutical manufacturer. Must have thorough practical background in export, ability to write fluently and clearly in English and in French. Experience in chemicals or pharmaceuticals desirable. Splendid opportunity, salary commensurate with experience and ability. OPD 916.

Product Development. Immediate opening in West Coast area for B.S. Chemist or chemical engineer with five to ten years of product development and formulation of surface coatings, particularly resin emulsion, resin varnishes and dry powder paints. Retail product development experience essential. State qualifications and salary requirements in first letter to Mr. R. F. McCoole, Technical personnel manager, Monsanto Chemical Co., 1700 South Second Street, St. Louis, Mo.

A large firm wishes experienced man as department head to develop cosmetic and foreign trade for fine industrial and reagent chemical sales. Please state salary requirements, full experience and background. OPD 953.

Ainsworth Chainomatic analytical balance, model DLB, new, $240; set balance weights, new, $15; Leeds and Northrup potentiometer, model 8657-C, nearly new, $165. California Essential Oils Company, 14 Billou Street, San Rafael, Calif.

N.Y. State charcoal manufacturing plant requires the services of an experienced chemical engineer to run plant and who is capable of increasing yield as well as devising efficient methods of producing by-products. Substantial salary plus liberal bonus for results. State age, background, experience, salary expected. All replies held in confidence. No inquiries will be made without applicant's permission. OPD 954.

POSITIONS WANTED

Manager-Chemist desires responsible position in coating field of papers, or fabrics. Chemical and compounding background in specialty inks, adhesives, and laminates with experience as manager of laboratory and production. A. B. chemistry 1940. Age 34. OPD 943.

Manufacturing Chemist, organic. Fifteen years varied industrial organic experience, including production supervision, development, personnel relations, costs, mechanical, layout, purchasing, safety, scheduling; large and small scales; fine record; desires production, development, or consulting position. Can relocate. OPD 944.

Organic Chemist—aromatics. Organic chemist with plant and laboratory background in aromatic chemicals seeks part-time production or development position within forty-mile radius of New York City. Will consider full-time position. OPD 945.

We know a good man—Who has a wealth of experience in the chemical industry. Who has successively been plant manager, salesman (both foreign and domestic), purchasing agent, personnel manager and a company officer. Who knows fine and pharmaceutical chemicals, alkaloids, crude drugs, essential and expressed oils, waxes, raw materials. Who worked 23 years with a large chemical manufacturer, eventually becoming secretary and board member. Who knows administrative work, company insurance, management, sales and purchasing. He is available now. We can put you in touch with him. J. Hayden Twiss, Advertising, 205 East 42d street, New York 17, N. Y. Murray Hill 9-6688.

PRODUCTS WANTED

Wanted: Products of merit to sell to textile processors, tanners, paper mills, fur dressers and dyers. Will purchase manufacturing formulae or arrange royalty payments. Must stand close scrutiny Advertiser responsible. OPD 919.

WILL REDISTILL OR PURCHASE

Waste Solvents of all Kinds

Depos - Lacquers - Thinners - Solutions - Aromatics and other products requiring

Straight, factional, high, low temperature, atmospheric, high vacuum distillation

Chemical Service Corporation

88 BEAVER STREET, NEW YORK 5, N. Y.

HAnover 2-6970

Imports at U.S. Ports

—*Continued from page 51*

QUEBRACHO EXTRACT—10,338 bgs, River Plate Import & Export Corp, Uruguay, Buenos Aires
1,604 bgs, Carl M Loeb Rhoades, Uruguay, Buenos Aires
4,166 bgs, Imex Corp, Tekla, Buenos Aires
QUICKSILVER—1,000 flasks, Habana, Cadiz
800 flasks, Philipp Bros Corp, Executor, Rijeka
QUINCESEED—35 bgs, Meer Corp, Steel Voyager, Khorramshahr
RAPESEED—100 bgs, C M Van Sillevoldt, Robert Maersk, Rotterdam
RED, EARTH—226 bgs, Charles B Chrystal, Bristol City, Avonmouth
RESIN, SYNTHETIC—142 bgs, H Muehlstein Co, American Scientist, London
SAGE LEAVES—62 bls, George Jaris Co, Exchester, Larnaca
368 bls, Superintendence Co, Executor, Rijeka
368 bls, Superintendence Co, Executor, Rijeka
OIL—12 bbls, Dodge & Olcott, Inc, Executor, Rijeka
SAINT JOHNS BREAD—10 bgs, Levy & Lewis Co, Exchester, Larnaca
160 cs, S B Penick & Co, John Bakke, Beirut
SAINT JOHN'S BREAD—240 cs, Schoenfeld & Sons, John Bakke, Beirut
2 bgs, Stein, Hall & Co, Bastia, Lisbon
40 bgs, Exchester, Larnaca
SANDALWOOD OIL—9 cs, Volkart Bros, John Bakke, Bombay
SEEDLAC—500 bgs, Mantrose Corp, Steel Fabricator, Calcutta
150 bgs, Gillespie-Rogers-Pyatt Co, Steel Fabricator, Calcutta
200 bgs, Dings & Schuster Co, Ernebank, Calcutta
SENNA LEAVES—74 bls, S B Penick & Co, Exchange, Tuticorin
300 bls, R J Prentiss & Co, Exchange, Tuticorin
SHARK LIVERS—6 dms, Seminario Hnos, Santa Catalina, Guayaquil
OIL—5 dms, Anewalt Schmitt, Inc, Uruguay, Buenos Aires
12 dms, Balfour, Guthrie & Co, Uruguay, Buenos Aires
SHELLAC—100 bgs, Mac Lac Co, Steel Fabricator, Calcutta
90 bgs, Gillespie-Rogers-Pyatt Co, Steel Fabricator, Calcutta
50 bgs, Colony Import & Export Corp, Steel Fabricator, Calcutta
50 bgs, Alfred Kraemer, City of Birmingham, Calcutta
100 bgs, A R Hanser Co, Exchange, Calcutta
200 bgs, William Zinsser & Co, Exchange, Calcutta
50 bgs, Colony Import & Export Corp, Exchange, Calcutta
10 cs, F H Paul & Stein Bros, American Press, Hamburg
20 bgs, F H Paul & Stein Bros, American Press, Hamburg
SIENNA EARTH—6 cks, T H Deutz Co, Excambion, Leghorn
21 cks, Reichard Coulston, Exermont, Leghorn
SODIUM NITRATE—4,500 tons, Chilean Nitrate Sales Co, Copiapo, Tocopilla
SULPHATE—1,000 bgs, Jules Fribourg, Rotterdam
STRONTIUM CARBONATE—59 dms, International Selling Corp, Excambion, Marseilles
TALC—250 bgs, Charles B Chrystal Co, Excambion, Marseilles
4,470 bgs, Charles Mathieu Co, Exermont, Genoa
TAPIOCA FLOUR—3,000 bgs, Manhattan Paste & Glue Co, Tekla, Itajai
500 bgs, Brown Bros Harriman Co, Tekla, Itajai
1,605 bgs, Balfour Guthrie Co, Chinese Prince, Batavia
2,500 bgs, Geismar & Co, Jessie Maersk, Parnahyba
500 bgs, Stein, Hall & Co, Jessie Maersk, Parnahyba
600 bgs, Corn Products Refining Co, Joshua, Puerto Plata
TARTAR—199 bgs, Tartaric Raw Materials Corp, Bastia, Marseilles
TEAWASTE—1,065 bgs, Barber Steamship Co, American Scientist, London
949 bgs, Maywood Chemical Works, City of Birmingham, Calcutta
THEOBROMINE—20 bbls, Chemical Bank & Trust Co, Mormacgulf, Santos
THYME LEAVES—125 bgs, M J Golombeck Co, Pierre De Saurel, Marseilles
146 bls, Seeke & Kade, Pierre De Saurel, Marseilles
TUNGSTEN ORE—500 bgs, African Metals Corp, Houffalize, Matadi
UREA—20 bgs, Terra Chemicals, Inc, Averdyk, Rotterdam
VAN DYKE BROWN SOLUBLE—160 bgs, American Dyewood Co, Bristol City, Avonmouth
VANILLA BEANS—46 cs, Thurston & Braidich, Excambion, Marseilles
81 cs, George Uhe & Co, Excambion, Marseilles
38 cs, Dodge & Olcott, Inc, Excambion, Marseilles
24 cs, Zink & Trieste, Excambion, Marseilles
35 cs, Robin Kettering, Zanzibar
35 cs, George Uhe & Co, American Farmer, Havre
WATTLE BARK—3,299 bls, Wolmet Raw Products Co, African Crescent, Mombasa
3,534 bls, River Plate Import & Export Corp, African Enterprise, Durban
2,475 bls, Olson Sales Agency, African Enterprise, Durban
1,000 bgs, Bank of New York, Robin Kettering, Mossel Bay
EXTRACT—2,022 bgs, Barkey Import Co, African Crescent, Mombasa
1,083 bgs, Olson Sales Agency, African Crescent, Mombasa
524 bgs, Olson Sales Agency, African Enterprise, Durban
WHITING—5,200 bgs, Nicholas H Weitzner Co, Mahenge, Antwerp
2,000 bgs, Pluess Staufer North American Co, Hermund, Antwerp
300 bgs, H J Baker & Bros, American Builder, Liverpool
WOOL GREASE—238 dms, N I Malmstrom, American Builder, Manchester
21 dms, Botany Mills, Inc, American Builder, Manchest
6 dms, Harry Dixon & Sons, Pipiriki, Melbourne

Baltimore

BONES—1,160 bgs, Transatlantic Animal By-Products Corp, Jessie Maersk, Buenos Aires
MEAL—1,104 bgs, Wessel, Duval & Co, Hermund, Antwerp
1,000 bgs, American Agricultural Chemical Corp, Exchange, Bombay
2,000 bgs, T M Duche & Sons Co, Ronda, Havre
MANGANESE ORE—3,100 tons, Carnegie Illinois Steel Corp, African Crescent, Durban
3,000 tons, Sussex Trading Corp, African Crescent, Durban
7,600 tons, Carnegie Illinois Steel Co, Montgomery City, Vizagapatam
8,328 tons, Carnegie Illinois Steel Co, Beaver Victory, Bombay
QUEBRACHO EXTRACT—1,025 bgs, Imex Corp, Tekla, Buenos Aires
TALC—1,000 bgs, L A Salomon & Bros, Pierre De Saurel, Marseilles
1,250 bgs, Whittaker, Clark & Daniels Co, Pierre De Saurel, Marseilles
WATTLE BARK—1,100 bls, M S Kattenhorn, African Crescent, Mombasa
550 bls, Olson Sales Agency, African Enterprise, Durban
EXTRACT—1,010 bgs, Barkey Import Co, African Crescent, Mombasa
1,087 bgs, M S Kattenhorn Co, African Crescent, Mombasa
1,099 bgs, Wolmet Raw Products Co, African Crescent, Mombasa

Boston

CASEIN—600 bgs, Tupman-Thurlow Co, Jessie Maersk, Buenos Aires
334 bgs, F H Paul & Stein Bros Co, Saint Malo, Bordeaux
CRESYLIC ACID—75 dms, I M Sobin Co, American Builder, Liverpool
GLUESTOCK—180 bls, E Butterworth Co, American Builder, Manchester
IRISH MOSS—46 bls, Algin Corp of America, American Builder, Dublin
395 bgs, Algin Corp of America, American Builder, Liverpool
50 bls, Jacques Wolf Co, American Farmer, Havre
MICA—24 cs, Eugene Munsell, Tekla, Rio de Janeiro
96 cs, Hal Delphin Co, American Scientist, London
15 cs, M H Garvey Co, American Scientist, London
NAPHTHALENE—1,000 bgs, M S Birnbach Co, American Builder, Liverpool
QUEBRACHO EXTRACT—6,157 bgs, Imex Corp, Tekla, Buenos Aires
531 bgs, Imex Corp, Mormacgulf, Buenos Aires
TAPIOCA FLOUR—2,834 bgs, Amidonaria Zurita, Tekla, Itajai
TARTAR—56 bgs, W C Durfee Co, Saint Malo, Bordeaux
TRAGASOL GUM—40 bgs, James P Marston Co, American Builder, Liverpool
WATTLE EXTRACT—1,222 bgs, River Plate Import & Export Corp, African Enterprise, Durban
YLANG YLANG OIL—1 ck, van Ameringen-Haebler, American Farmer, Havre

Houston

CINNAMON QUILLS—100 bls, Mincing Trading Corp, Steel Fabricator, Colombo

New Orleans

SHELLAC—28 bgs, William Zinsser & Co, Steel Fabricator, Calcutta

Norfolk

BONEMEAL—1,000 bgs, T M Duche & Sons, Ronda, Havre
1,103 bgs, First National Bank, Averdyk, Antwerp
BUTYL PHTHALATE—1 dm, W M Stone, American Builder, Liverpool
CHLORINATED PARAFFIN—1 dm, W M Stone, American Builder, Liverpool
DIOCTYL PHTHALATE—1 dm, W M Stone, American Builder, Liverpool
FERTILIZER—774 bgs, J C Jett & Co, Bristol City, Avonmouth
MANGANESE ORE—2,700 tons, E J Lavino & Co, Ernebank, Vizagapatam
1,250 tons, Sloss Sheffield Steel & Iron Co, Greystoke Castle, Coron
SODIUM PERBORATE TETRAHYDRATE—33 dms, Chemical Manufacturing Co, American Builder, Liverpool
TRAGASOL GUM—60 cks, James P Marston Co, American Builder, Liverpool
TRICRESYL PHOSPHATE—1 dm, W M Stone, American Builder, Liverpool
WATTLE BARK—275 bls, Olson Sales Corp, African Enterprise, Durban
EXTRACT—1,521 bgs, Barkey Import Co, African Crescent, Mombasa
1,023 bgs, River Plate Import & Export Corp, African Enterprise, Durban

Philadelphia

ANTIMONY REGULUS—540 cs, Marine Midland Trust Co, Exford, Rijeka
CASEIN—334 bgs, Schroder Banking Corp, American Clipper, Bordeaux
CHEMICAL—10 cs, Metal Traders, Inc, American Scout, Liverpool
CHROME ORE—1,119,775 lbs, Philadelphia National Bank, Robin Sherwood, Lourenco Marques
CRESYLIC ACID—200 dms, American Scout, Manchester
DIIODOQUIN—1 cs, Charles Pfizer & Co, Hav, Piraeus
FERTILIZER—3,000 bgs, United States Sterling Co, American Forwarder, Manchester
2,223 bgs, L B Peters & Son Co, American Defender, Rotterdam
MANGANESE ORE—308,000 kilos, Bowring & Co, Tropez, Casablanca
2,246 tons, E J Lavino & Co, Clan Allan, Durban
NAPHTHALENE—3,750 bgs, Allied Chemical Co, Gudrun Maersk, Antwerp
3,750 bgs, F B Vandergrift Co, American Defender, Rotterdam
PETROLEUM, CRUDE—27,080 tons, Gulf Oil Corp, Jabra, Mena Al Ahmadi
119,549 bbls, Gulf Oil Corp, Gulfscout, Puerto La Cruz
24,496 tons, Gulf Oil Corp, Ras Al Arah, Mena Al Ahmadi
117,025 bbls, Atlantic Refining Co, Atlantic Mariner, Puerto La Cruz
96,290 bbls, Texas Oil Co, Nueva Granada, Las Piedras
112,692 bbls, Socony Vacuum Oil Co, Herman F. Whiton, Mena Al Ahmadi
112,732 bbls, Texas Oil Co, Williamsburg, Las Piedras
118,012 bbls, Gulf Oil Corp, Gulfpeak, Puerto La Cruz
102,730 bbls, Atlantic Refining Co, Brunswick, Puerto La Cruz
SUMAC—200 bls, American Dyewood Co, Exford, Palermo
WATTLE EXTRACT—1,686 bgs, American Dyewood Co, Clan Allan, Durban
WHITING—600 bgs, Nicholas H Weitzner Co, American Defender, Antwerp
WOOL GREASE—27 dms, Spring & Spring Co, American Forwarder, Manchester

San Francisco

ASBESTOS FIBER—2,000 bgs, Paraffine Co, Limburg, Lourenco Marques
500 bgs, J Aron & Co, Limburg, Lourenco Marques
840 bgs, Schwabach & Co, Limburg, Lourenco Marques
319 bgs, Otis McAllister Co, Limburg, Lourenco Marques
1,000 bgs, L Neugass & Co, Limburg, Lourenco Marques
BONEMEAL—1,100 bgs, Royal Bank of Canada, Dalerdyk, Antwerp
CARAWAYSEED—230 bgs, Catz American Seed Co, Dalerdyk, Rotterdam
CASSIA—100 bls, S L Jones & Co, Skaubo, Hong Kong
CELERYSEED—88 bgs, East Asiatic Co, Lawak, Bombay
85 bgs, D Hecht & Co, Lawak, Bombay
CHILLIES, HONTAKA—100 bgs, M S Cowen Co, Flying Cloud, Kobe
CHINA CLAY—400 tons, English Papermakers Importing Co, Daledyk, Rotterdam
CHROME ORE—6 pkgs, J W Patterson Co, Thor I, Novmea
CINNAMON QUILLS—25 bls, D Hecht & Co, Lawak, Colombo
COPAL GUM—134 bskts, O G Innes Corp, Utrecht, Macassar
COPRA—100 tons, Pacific Vegetable Oil Corp, Pacific Bear, Cebu
1,150 tons, Pacific Vegetable Oil Corp, Pacific Bear, Davao
500 tons, El Dorado Oil Works, Pacific Bear, Jose Panganiban
625 tons, R J Roesling & Co, Talleyrand, Cebu
1,000 tons, Cargill, Inc, Dona Aurora, Pangi
MEAL—4,480 bgs, Philippine Refining Co, Lawak, Manila
OIL CAKE—5,000 bgs, Balfour, Guthrie Co, Talleyrand, Cebu
COTTON LINTERS—272 bgs, Henry W Peabody & Co, Limburg, Buenos Aires
CRUSHED BONES—448 bgs, Consolidated Chemical Industries, Inc, Limburg, Buenos Aires
GINGER—45 cs, Wong San Man Co, Thor I, Papeete
PAPRIKA—100 bgs, Hismoco American Co, Dalerdyk, Rotterdam
PEPPER, WHITE—35 bgs, B C Ireland, Inc, Dalerdyk, Rotterdam
POPPYSEED—70 bgs, Catz American Co, Dalerdyk, Rotterdam
RED IRON OXIDE—50 bbls, Bank of California, Dalerdyk, Rotterdam
TAPIOCA PEARLS—50 bgs, H M Newhall & Co, Lawak, Singapore
VANILLA BEANS—36 cs, Thor I, Noumea
VARNISH GUMS—80 bgs, Henry W Peabody & Co, Dona Aurora, Manila